

SEQUENCE LISTING

<110> Craig Rosen,
Steve Ruben

<120> Human Cancer Associated Gene Sequences and Polypeptides

<130> PA106PCT

<140> Unassigned

<141> 2000-03-08

<150> 60/124,270

<151> 1999-03-12

<160> 1694

<170> PatentIn Ver. 2.0

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<211> 556

<212> DNA

<213> Homo sapiens

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<222> (546)

<223> n equals a,t,g, or c

<400> 1

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<212> DNA

<213> Homo sapiens

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<213> Homo sapiens

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<222> (784)
<223> n equals a,t,g, or c

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<220>
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<222> (807)
<223> n equals a,t,g, or c

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<222> (2714)

<223> n equals a,t,g, or c

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<222> (2756)

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<212> DNA

<213> Homo sapiens

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<222> (1246)

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<213> Homo sapiens

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<222> (1055)

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<210> 10

<211> 1373

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1364)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1373)

<223> n equals a,t,g, or c

<400> 10

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<210> 11

<211> 3804

<212> DNA

<213> Homo sapiens

<400> 11

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tgccagacaa agcatgcgtg tcacacttgc tacaatagcc tggatggttt cttttgtctc 180
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<210> 12

<211> 2157

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (806)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (846)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1517)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2110)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2116)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2137)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2150)

<223> n equals a,t,g, or c

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aagtgatgag tgaagagag aagtyctatt ttctctcagg gttttgaggg aagtttgggt 2100
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<210> 13

<211> 1117

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1102)

<223> n equals a,t,g, or c

<400> 13

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ctggagatca tctaccagg ctggggcttc tgggacaggc gaggaccac ggacctgga 180
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<210> 14

<211> 885
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (869)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (884)
 <223> n equals a,t,g, or c

<400> 14
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 gtggccaccg atgacctgga ttcccgccac cacagctaca aggacatgcg ccagctcatg 180
 aaggtggtga acgaggagtg ccccaccatc acccgcaactt acagcctggg caagagctca 240
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<210> .15
 <211> 1024
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (938)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (1005)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (1012)
 <223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1019)
<223> n equals a,t,g, or c

<400> 15
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<210> 16
<211> 545
<212> DNA
<213> Homo sapiens

<220>
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<222> (40)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (45)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (403)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (476)
<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (507)

<223> n equals a,t,g, or c

<400> 16

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atcaggactg aacacagagg actcaccatg gagtttgagg tgagctggat ttcccttgct 180
gctattttta aaggtgtcca gtgtgaggtg cagctggagg agtctggggg aggcttggt 240
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ctcaagagat gattcaaaaa acacgytgta tytgcaaatg aacagcctga aaaccngagg 480
acacagccgt gtattactgt accacangac ccctaattac tatgatagta rtgcaaaaag 540
ctttt 545
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<210> 17

<211> 623

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (15)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (613)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (616)

<223> n equals a,t,g, or c

<400> 17

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tcgccccacc cggccgcgcg ccgagcgctc gagaaagtcc tctcgggaga agcagcgcc 180
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tggcagagct cacgtgcctc aacgaagcct cgggtgttgc caacctcaag gagcggtact 540
actcagggtc catctacgta agtggctgcc gtggcacccc gcaggctggg tctgagggt 600
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<210> 18

<211> 559

<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (371)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (531)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (544)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (547)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (556)
<223> n equals a,t,g, or c

<400> 18
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attagtaatt ttaaaatgag grtgggaatt aactaacaga actgatagga agtgtaaca 180
tacaacaggg gagtctaaga tggcttccaa ttttactta gaggggtaag ggtaccatta 240
acttaagatc attaatacag raaaattaat cagatttga gtttaccaag gtttgctttt 300
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taatgagctg ntctcattaa gaccagagta cttatttata acaaaagtaa cttttccctt 420
tccctgggta catcaaactg tactccacag ataacagaca ccagtgagtt tttcatggtt 480
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gcgngcnacg gtattngga 559

<210> 19
<211> 1355
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (55)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (1045)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1355)
<223> n equals a,t,g, or c

<400> 19
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acaacggcac ctctgccagg gctaccacaa cccagccag caagagcact ccattctcaa 180
ttcccagcca ccactctgat actcctacca cccttgccag ccatagcacc aagactgatg 240
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cccagttgtc tactggggtc tctttctttt tcctgtcttt tcacatttca aacctccagt 360
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ctgaaatggt tttgcagatt tataaacaag ggggttttct gggcctctcc aatattaagt 480
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cccattggcg ctatgtgcc cctagcagta ccgacgtag cccctatgag aagggttctg 900
caggtaatgg tggcagcagc ctctcttaca caaaccagc agtggcagcc acttctgcca 960
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aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaan 1355

<210> 20
<211> 1280
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1043)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1162)
<223> n equals a,t,g, or c

<400> 20
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tcacgaccaa aggtgtcacc tcagtctctc agatcttcca cagcccagac ctggccataa 180
gggacacctt tgtgaatgcc tctcggaccc tgtacagcag cagccccaga gtcctaagca 240
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tctacctgag tgccaagtgg aagacaacat ttgatcccaa gaaaaccaga atggaaccct 420
ttcacttcaa aaactcagtt ataaaagtgc ccatgatgaa tagcaagaag taccctgtgg 480
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ctctcagccc ttctgttttc aaggccatca tggagaaaact ggagatgtcc aagttccagc 660
ccactctcct aacactaccc cgcatcaaag tgacgaccag ccaggatatg ctctcaatca 720
tggagaaaatt ggaattcttc gatttttctt atgaccttaa cctgtgtggg ctgacagagg 780
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aaaaaaaaac tcaagactag                                     1280
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<210> 21

<211> 1191

<212> DNA

<213> Homo sapiens

<400> 21

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ttgaagcaca aacatattct catttttatt tccccaatac cttgaagggt ttcttctgca 180
catgtatttg tttgatctgc cttttgtgcy tggggtggga gttaggtagg aatcttaaag 240
tggagagcca gtttcttccc aaattactga cctaaccat ccttaacccc cagttcaagg 300
ccacctttgt gatagtgaag ctccacatg ctccactcagc cccttctgct ctctcttctt 360
ctctactgtg catgtcggct tgtacttttg ccagtttctc taaagacaca accagagtgg 420
gggtgctgtg tgtgcacaaac ttcaacttta catgtggggc tgagtcctta tgttgatat 480
ccttggtgcaa aagcacataa tgtaattgc tatagctttt aaaaaataa ttaatagttt 540
ttcataatca aattttcttg cttttttgtt ttttcaaaaa agcatacttt tattgaagaa 600
taaaccctct atatatgtac acttatttat aactatgaac gcctgaacta ggatagaaat 660
gcattgtgta tattacaaaa cataacaaaa ataatagggg tagggagggtg cagatgtttg 720
tcaaaggata taaacctgca gttctatgat gaataagttc tggacatctg gaatacagca 780
tggtgactat acttagtaat actatattgt acacttgaag cttactgaaa gagtaaatct 840
caagtgttct caccacacaa acccaaagg aactatgttc taccacaca aacccaaagg 900
gaactatgta ttaattagct tgattgtggg aaccatttca caatgtatac atttgccaaa 960
acattatgtt gtatacctgg aatatataat tttatttatc aattatacct caataaagct 1020
gaaagagggg attactaatt cccacaaaat acagatttaa caaaaacttt tattcaacaa 1080
acagtgctat gaagttgtaa attggaacaa aaagaaataa aatttcatcc acagtcttct 1140
catcaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaactcgtag g 1191
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<210> 22

<211> 853

<212> DNA

<213> Homo sapiens

<400> 22

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cttggaggat ttggaactag ctctggtttt ggatgcagca ccacaggggc ctccacattt 180
ggattttgaa caacaaataa accctcagga agtcttagtg caggctttgg cagctcaagt 240
acatctgggt ttaacttcag caatcctggc atcacggcat cagctggttt gacttttggg 300
gtgtccaatc ctgcctctgc aggttttggg acaggaggac aactccttca gttgaagaaa 360
cctccagctg graacaaaag aggaaaaaga taaacatggg ttgatgtgtt gagagaatcc 420
atagcagcac cgttcattct atgagtctat ttttctaata atgcagtaat taaattgcat 480
cccaggagat ttataaagtt ttgatatttt tccctactct ggratttgaa ctttcttcat 540
gtttgccata ctgaacawct tttttcttgt ggaattttaa gtccagctgt gttttctttt 600
taatttgatt ctgagtgtaa gaaatgttct gattacatca ctgattggta atggttagaa 660
accattaacc taaaacttac tatttaacct agtgtttttg ttgatgaggt ttacattatg 720
tgaatacatg cacatttggt tcttatacag gtgggtgtgaa ctctaggggc tatactagaa 780
tcaatttggt ccttggttaa gcccttttga attatactgc agggcatctt gtgaatatgt 840
atgtaaatat ata 853
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<210> 23

<211> 474

<212> DNA

<213> Homo sapiens

<400> 23

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caggtaatat ttgaattttg cttcatatta atctgagtgg aaaataaaag ggccctcttc 120
tcctctcgct tccctgccgg gcaggcgcca tggcggaagc tcggcgacgg gcgcctgcgg 180
agaggcgatg gcagcgccgg aaggctcctc gggcccggcg ggcttgactc tgggcccggg 240
cttctcgaa caccggccct tcgagcccca ggcggttggg ctcagcccga gctggcggct 300
gacgggcttc tccggcatga agggctgagg ctgcaaggtc ccgcagaggg gctgctcaaa 360
ctcctggcgg gactgamcgg gccggacktk cggccccgct gggccggggc ctkgtkggk 420
gccargaara agcgtccca gaagccggcc tgccggcaag agcggggccc agcc 474
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<210> 24

<211> 2280

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (13)

<223> n equals a,t,g, or c

<400> 24

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agtagccgcc gccggagccg cgcgcacca tggccgagaa cccagcttg gagaaccacc 120
gcatacaagag cttcaagaac aagggccggc atgtggaaac aatgcgaaga catagaaatg 180
aagtgcagct ggaactgcgg aagaacaaa gagatgaaca cttattgaaa aagagaaatg 240
ttccccaaga agaaagtcta gaagattcag atgttgatgc tgattttaaa gcacaaaatg 300
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taaccctaga agctatatattg cagaatgccca caagtgataa cccagtgggtc caattgagtg 360
ctgtccaggc agcaagaaaa ctgttatcca gtgacagaaa tccaccgatt gatgacttaa 420
taaaatcttg gattttacca attctagtca aatgtctaga aagggatgat aatccttcat 480
tacagtttga agctgcttg gcatctaata gcagtacctc tttttctgag acttcttcgt tcaccacatc 540
aagctgttgt gcagtctaata gcagtacctc tttttctgag acttcttcgt tcaccacatc 600
agaatgtttg tgaacaagca gtatgggctt tgggaaacat tatagggtgat ggtcctcaat 660
gtagagatta tgtcatatca ctgggagttg tcaaacctct tctgtccttc atcagtcctc 720
ccatccccat caccttcctt cggaaacgtca catgggtcat tgtcaatctc tgcaggaata 780
aggatcccc accgcctatg gagacagttc aggagatttt gccagcttta tgtgtcctca 840
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atggaggtaa tgaacagata cagatgggta ttgattcagg agttgtgccc tttctgtgac 960
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cacattcaat atgaagcacc accagatggc taccaaatga taagaacaac agcaacmaa 1740
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cagctgccc ctgatactcc tttggaaaat ggtgcgctgt ggatcaagac actttgggtat 2040
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cctccacaaa catattttca tattctttat gtggaagaat agattttaaa gtacaagcca 2160
aatgattttc attggtggaa ctgacacaaa aaaagtaact taaaaacaag aaacttggt 2220
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<210> 25

<211> 1061

<212> DNA

<213> Homo sapiens

<400> 25

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atggcaggct ctgaagagct ggggtcccg gaagacacgc tgagggtcct agctgccttc 180
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ctggtccaag agcagctgaa atctccgccc agcccagaat tacagggtcc ccatcgaca 480
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aaccagaagc tggcctcgga ccccgccctg cgcacaagct ggtccgcctg tcctccgact 600
ctttcgcccc cctggtggag ctgttctgta gccgggatga cagctctcgc ccaagccgag 660


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catgccccgg gcccccgcc cttccccgg agccccctggc ccgcctggcc ctagccatgg 720
agctgagccg gcgcgtggcc gggctggggg gcaccctggc cggactcagc gtggagcacg 780
tgcacagctt cagccctgg atccaggcca cgggggctgg gagggcatcc tggctgtttc 840
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cacctcatgt cctgcccctc ttcgtgtgct tttccaagtc ttcctattcc actcagggt 960
gtgggggtgg gggtgcccta cctgtttttg ccaaaaataa attgttttaa acttttctta 1020
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<210> 26

<211> 1572

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (19)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (28)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1491)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1527)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1555)

<223> n equals a,t,g, or c

<400> 26

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gggcagctgc ggacatgtcg accccggccc ggaggaggct catgcgggat ttcaagcgg 180
tacaagagga cccacctgtg ggtgtcagt gcgcaccatc tgaaaacaac atcatgcagt 240
ggaatgcagt tataatttga ccagaaggga caccttttga agatggtact tttaaactag 300
taatagaatt ttctgaagaa tatccaaata aaccaccaac tgtaggttt ttatccaaaa 360
tgtttcatcc aaatgtgtat gctgatggta gcatatgttt agatatcctt cagaatcgat 420
ggagtccaac atatgatgta tcttctatct taacatcaat tcagtctctg ctggatgaac 480
cgaatcctaa cagtccagcc aatagccagg cagcacagct ttatcaggaa aacaaacgag 540
aatatgagaa aagagtttcg gccattgttg aacaaagctg gaatgattca taatagacaa 600
ctggtctgtt aatctttttc atcattgttg tgtataatct acctctcatt agaaaggcta 660
acaaatttta agtgcacag gttttaagga ttctgcagaa aaaaaagaaa aaagtccttc 720

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agtttagaac ctacaaaagc ttgtgtatct tgattaatgt actttttatt gcatgggtg 780
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taatgttggg gtggagtttt catgacagaa tatacacatt ttgtaaactc gtactttttt 900
caaataattga atgccttatt tttgaattct ttagattttt aaattggaga aaagcactta 960
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agactttgtc acttatttcc ttatgtgtgt aggaggggtt aataagtctc tagctctcca 1080
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tcatgcccca gtattaggca atggaattag gttgcattgg gtttgaggaa ngggcacatt 1500
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<210> 27

<211> 2005

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1976)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1977)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1978)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1979)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1986)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1988)

<223> n equals a,t,g, or c

<400> 27

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aagggtgatt gcactgcca cactaacacc tgaataaat atggagtcag tggatatcca 420
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cactgtttat ggaaatacca ggaccagttt atgtttgtgg ttttgggaaa aattatttgt 1860
gttgggggaa atgttgtggg ggtggggttg agttgggggt attttctaatt ttttttgta 1920
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gggggncnc cagtccatt cgccc 2005

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<210> 28

<211> 1408

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (11)

<223> n equals a,t,g, or c

<400> 28

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acacgtacga cgagtacaaa aagggttcc tggaccaggc atctgggagt gcagtgtgct 180
tgctcaggcc cggagaccgg tttcctcca gatgcctca gaacaggctg caggactgta 240

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tgccgggcag tatgtccact cctccttttc aggatattta ttgtatccca tgtaaaaaa 300
aaaaaacaaa aaacaaagaa aagaaagaga ttttatagaa gaaaatgaca caccacaaaa 360
tccaaatgaa aaacataatt gcttcaaac acttacacag ttggaaagt atagtgaagt 420
gaaaatttgg accatttgtt acaataaaaa actaatgac atgtttaata ctccacacag 480
cagcctgtaa ttgcgaatga tgggatatag ttatgtatca agtactgaca cttgggtgta 540
cccactggaa tcatattagc tgttttatgt tatatgcttc cacagtaacc tgcttattca 600
gatcagtcac aatatatcag tatgaaagat catagctaag gaaaggcact cactcatatt 660
gtttacttta aaatatattt aaatatgcct taaagaaata caaatgata caattacata 720
ccgtattttac ttgcttaatt tctctgttat ttgtgtagat actttgacat ggaatatatg 780
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tatcagttat gcttatatag cattaaaaat tctcctcctt tgactacaca cacaaccaca 1320
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```

<210> 29

<211> 917

<212> DNA

<213> Homo sapiens

<400> 29

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ggaccatgtg cgcgtcccgg gacgactggc gctgtgcgct ccattgacga kttttccgcc 180
aaggacatcg acgggcacat ggttaacctg gacaagtacc ggggcttcgt gtgcacgctc 240
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cacgcccgat acgctgagtg tggtttgcg atcctggcct tcccgtgtaa ccagttcggg 360
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aagttcctca tcgacaagaa cggctgcgtg gtgaagcgt acggacctat ggaggagccc 600
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gagccccctg ccacgcccct ggagccttc accggcactc atgacggcct gcctgcaaac 720
ctgctgggtg ggcagaccgg aaaatccagc gtgcaccccg ccggaggag gtcccatggc 780
ctgctgggct tggctcgcg ccccccaccc tggctacctt gtgggaataa acagacaaat 840
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```

<210> 30

<211> 577

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (501)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (534)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (568)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (575)
 <223> n equals a,t,g, or c

<400> 30
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 gagttcaaga ccagcgtggc caacgtggtg aacctgtct ctactaaaaa taaaaaatt 180
 gtttagctct gttttcata atagaaatag aaaaggtaaa attgcttttc ttctgaaaag 240
 aacaagtatt gttcatccaa gaagggtttt tgtgactgaa tcagcagtgc ctgccctagt 300
 catagctgtg cttcagaaac ctcagcatga ttagtgttkg agcmmaacaa ggragcaaag 360
 caaatwcwgt ttttgaaatt ctatctgttg cttgaactat ttgtataaa ttaactttg 420
 gatgttgaga aatcacaaact ttattggtac acttcattgc aacttgaaat tccatgggtc 480
 ttaaaagtga attggaattc naatgggagg cctttaaaaa gtaattccca accnttaagg 540
 ttaaaaccca ggaaattggg gccaatcnaa aaccngg 577

<210> 31
 <211> 2059
 <212> DNA
 <213> Homo sapiens

<400> 31
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 actccttttt gcagtggaca caggactata ttctctgtg aagacaaaca ttcgaagctc 180
 aacaagagac tgaaggagc ataaatttaa atggagaaag gacctcaag acaaatgacc 240
 cccatcccat gggggttaata agagcagtag cagcagcatc tctgaacatt tctctggatt 300
 tgcaaccca tcatcctcag gcctctctac aagcagcagg aaacatagaa ctcagagcca 360
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 cacaacamt ttctgtccc aaccgttccc tcacagcaaa gcaacaatac aggctaggga 540
 tgaaggagga gtgcaaaara gtgtccccc cctcctgccc ccgcgaccgt ttgcccaccc 600
 ttcggaagac ccagtgtgt gatgagtat agtgtgcctg caactgtgtc aatccacagt 660
 gagctgtccc cttgggtact tggcctcaac cgccaccaat gactgtggct gtaccacaac 720
 cactgtcctt ccgacaagg tgtgtgtcca ccgaagcacc atctaccctg tgggccagtt 780
 ctgggaggag ggctgcgatg tgtgcacctg caccgacatg gaggatgccg tgatgggcct 840
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acaaaggaac gtctcctgcc cccagctgga ggtccctgtc tgccccctcg gctttcagct 1140
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gctcaatgac actgtcattg ggcccgga gactgtgatg atcgatgtgt gcacgacctg 1260
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<210> 32
<211> 549
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (337)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (378)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (497)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (537)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (546)
<223> n equals a,t,g, or c
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tctagaggat ccaagcttac gtacgcgtgc atgcgacgtc atagctcttc tatagtgtca 180
cctaaattca attcactggc cgtcgtttta caacgtcgtg actgggaaaa ccctggcgtt 240
acccaactta atcgccttgc agcacatccc cctttcgcca gctggcgtaa tagcgaagag 300
gcccgcaccg attcgcctt tcccaacagt tgcgcancgt gaatggcgaa tggggacgcg 360
ccctgtatgg gcgcgttnaa gcgcggcggg tgtggtggtt acgcgcagtg gacccgctac 420
acttgccagc gccctagcgc ccgctccttt cgtttcttc ccttccttcc tcgccacgtt 480
cgccggcttt ccccttnaag ctctaaatcg gtgggctccc tttagggtgc ctatttngtg 540
ctttanggt 549

<210> 33
<211> 841
<212> DNA
<213> Homo sapiens

<400> 33
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atcaccttgc tctgcgatag attatccaaa ggtggccgtc tctgcctaag taccgatgca 120
gcagccccac agaccatggt catgccaggt ggttgacta caatccaga gtcagaccta 180
gaagaaagat cagtagaaca gaactctaca gaactgttta ccaaccacag acatctcact 240
gcagagacac ccaggcctgt ttcacccctc caaggagtct cgggaataatt ccaagtagag 300
ttgtttggtt gagaggaaca tccccatctc aaggccgaac ctgtgtgaac ctcatgcca 360
gcacagatat arggctggcg caggtgcttc cyaaagctya ccttcctgga gatgacatgc 420
atagaaagag gggttgggac tttttacttc actaggagaa cttgtaacac catggggaag 480
tcagctgaaa cttgtcttgt tttgccagga aaggaaagtag ttgcctttgg tcatccatct 540
gctaatagtc acagaataca gtgaaatgac atagtttttg gttagatttt ataatgcaa 600
gattcagatc caaaataatt tcatacccca ttttttcaca gaattcttat atagtaaatg 660
tatcaagttt aataaagcat ctcatgttca aataatatct tggattttat ttataattag 720
agggatttat gattgattgc tctacattat ttcttcaaag gaaaggaaa gaattgaaga 780
ctttgctact ctctggtaag acttgaatgt gattatttta taaataaaa aaccactatg 840
a 841

<210> 34
<211> 863
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (19)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (29)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (44)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (58)

<223> n equals a,t,g, or c

<400> 34

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tggaatcccc ccggggcttt caaggaattc ggcacgagtt tgcttaggcg cagacgggga 120
agcggagcca acatgccagt ggcgggagc tgggtttgtc gcaaaactta tgtgaccccg 180
cggagaccct tcgagaaatc tcgtctcgac caagagctga agctgatcgg cagtatggg 240
ctccggaaca aacgtgaggt ctggagggtc aaattttacc tggccaagat ccgcaaggcc 300
gcccgggaac tgctgacgct tgatgagaag gaccacggc gtctgttcga aggcaacgcc 360
ctgctgcggc ggctgggtcg cattgggggtg ctggatgagg gcaagatgaa gctggattac 420
atcctgggcc tgaagataga ggattttcta gagagacgcc tgcagaccca ggtcttcaag 480
ctgggcttgg ccaagtccat ccaccacgct cgcgtgctga tccggcagcg ccatatcagg 540
gtccgcaagc aggtggtgaa catcccgctc ttcattgtcc gcctggattc ccagaagcac 600
atcgacttct ctctgcgctc tccctacggg ggtggccgcc cgggcccgtg gaagaggaa 660
aatgccaaag agggccaggg tggggctggg gctggagacg acgaggagga ggattaagtc 720
cacctgtccc tcctgggctg ctggattgtc tcgttttctt gccaaataaa caggatcagc 780
gctttacaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 840
aaaaaaaaa aaaaaaaaaa ttt 863
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<210> 35

<211> 1230

<212> DNA

<213> Homo sapiens

<400> 35

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tcaggcagct gcagagcttc aacagtactg tatgcagaat gcctgcaagg atgccctgct 180
ggtgggtggt ccagctggaa gtaaccctt ccgggagcct agatcctgtg ctttactctg 240
aagactctag gagagaagtt tgctgaggaa tgccttcaag cacaagtga tgaatgactg 300
ccttcaagtc tcaagaaaac acttttcctt aacttttaga gatatttcag ccctttcctg 360
tggcctggct ctatagccaa aatcacagat attcatgagt ttctacttga gtgagaaaac 420
tgggtgaagg aatagaatth taaatagtaa taactgcttg ttttttttgt gcaagtactt 480
ttatacataa gataaataaa aaccttacca ccaaacatac caaatgcac ctctttcata 540
agtgaattac taagatttct atacctgaa tatcatgtat gtttcattta ctggatgttt 600
acattttagg aaggaaaata gtttgtttta tttaaacaac tgaatactta taaactgttg 660
ttcctggaag ttattttatt cataaaaaat ttgttctttt ctcatgaatt tataattcct 720
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ggatacatta ttcgtgtttg caacggtcct tgaagagcct ggaaataaaa tttctgctta 1200
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attaatcatt tttctatgac agcaaaaaaa

1230

<210> 36

<211> 640

<212> DNA

<213> Homo sapiens

<400> 36

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ctatccgcac tagaaagttc atgaccaacc gactacttca gaggaacaa atggtcattg 180
atgtccttca ccccgggaaag gcgacagtgc ctaagacaga aattcgggaa aaactagcca 240
aaatgtacaa gaccacaccg gatgtcatct ttgtatttgg attcagaact catTTTggtg 300
gtggcaagac aactggcttt ggcatgattt atgattccct ggattatgca aagaaaaatg 360
aacccaaaca tagacttgca agacatggcc tgtatgagaa gaaaaagacc tcaagaaagc 420
aacgaaagga acgcaagaac agaataaga aagtcagggg gactgcaaag gccaatgttg 480
gtgctggcaa aaagccgaag gagtaaaggt gctgcaatga tgttagctgt ggccactgtg 540
gatttttcgc aagaacatta ataaactaaa aacttcaaaa aaaaaaaaaa aaaaaaaaaa 600
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaagg

640

<210> 37

<211> 597

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (10)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (15)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (32)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (556)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (558)

<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (567)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (590)
<223> n equals a,t,g, or c

<400> 37
ggtgagaccn tctanaatat ggttccccgg gntgcccatt cgccaagggtg ctccggtcctt 60
ccgaggaagc taaggctgcg ttgggggtgag gccctcactt catccggcga ctgacaccgc 120
gtccggcagc gccagcccta cactcgcccg cgccatggcc tctgtctccg agctcgccctg 180
catctactcg gccctcatto tgcacgacga tgagggtgaca gtcacggagg ataagatcaa 240
tgccctcatt aaagcagccg gtgtaaattgt tgagcctttt tggcctggct tgtttgcaaa 300
ggccctggcc aacgtcaaca ttgggagcct catctgcaat gtagggggccg gtggacctgc 360
tccagcagct ggtgctgcac cagcaggagg tcctgcccc tccactgctg ctgctccagc 420
tgaggagaag aaagtggag caaagaaaga agaatccgag gagtctgatg atgacatggg 480
ctttggtctt tttgactaaa cctcttttat aacatgttca ataaaaagct gaactttaaa 540
aaaaaaaaaa aaaaancncg ggggggnccg ctttaaaggg tccaagttn gtacggg 597

<210> 38
<211> 624
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (79)
<223> n equals a,t,g, or c

<400> 38
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gaggagacca tcgagggcat gctcctcagg ctggaagagt tttgcagcct ggctgacctg 180
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camctgsacc kgtgcccgtg acgtacgagc tgcccacact gtataggacg gaggactatt 480
ttcctgtgga cgccgggkaa gcacagcamc amcccgcac ctgcccctcg cctttgtgag 540
ctttgtggtc ttcccatcag gaacactgga aagtgcatt gtgtacacgc tgcagcttgg 600
gggttttttc tttgtattgc tggt 624

<210> 39
<211> 1029
<212> DNA
<213> Homo sapiens

<400> 39
ggccctcga gggatcctct agagcggccg ccgactagt agctcgtcga cccgggaatt 60

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gaaaggctgc aaaaagaaaa agagacgcag tgagtgggaa aagtatgcat cctattcaaa 240
cctaattgaa tcgargarcc caggacaca cgccttcagg tttgctcarg ggttcattat 300
tggtgcttag acaaattcaa aatgaggaaa catcggcact tgcccttagt ggccgtcttt 360
tgctcttttc tctcaggctt tcctacaact catgcccagc agcagcaagc agtcattgaa 420
gtcaacaaga gagacatagt cttcctggtg gatggctcat ctgcactggg actggccaac 480
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acccatccaa caaaaagggr agtcataacc gctgtgcgga aaatgaagcc cctggamggs 660
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gccggctacc gggctgccga ggggattcct aagcttttgk tgctgatcac aggtggttaag 780
tccttagatg aaatcagcca gcctgccag gagctgaaga gaagcagcat aatggccttt 840
gccattggga acaagggtgc cgatcaggct gagctggaag agatcgcttt cgactcctcc 900
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<210> 40

<211> 1107

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1098)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1106)

<223> n equals a,t,g, or c

<400> 40

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acaaattggt gttctaaatg tcttaagaac ctaattaaat agctgactac aaaaaaaaaa 1020

```

aaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa ccccgggggg 1080
gggcccgtt cccatttngc ccttting 1107

<210> 41

<211> 1051

<212> DNA

<213> Homo sapiens

<400> 41

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tgtggctgct ggtgaaaagc ttctccgaga gtggaatcaa ctatgaaatt ataatacatag 180
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<210> 42

<211> 2192

<212> DNA

<213> Homo sapiens

<400> 42

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actcgggggg ggcccggtac caattggcct aa 2192

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<210> 43

<211> 353

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (37)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (348)

<223> n equals a,t,g, or c

<400> 43

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ccgggtcgac ccacgcgtcc ggtggggctt caccaagttc aatgctgatg aatttgaaga 120
catggtggct gaaaagcggc tcatcccaga tggctgtggg gtcaagtaca tcccagtcg 180
tgccctctg gacaagtggc ggccctgca ctcatgaggg cttccaatgt gctgcccc 240
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```

<210> 44

<211> 3490

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (782)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1311)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (2298)
<223> n equals a,t,g, or c

<400> 44
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aaaaaacct 3490

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<210> 45

<211> 781

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (750)

<223> n equals a,t,g, or c

<400> 45

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t

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<210> 46

<211> 1431

<212> DNA

<213> Homo sapiens

<400> 46

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```

<210> 47

<211> 1913

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (43)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1878)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1896)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1905)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1907)

<223> n equals a,t,g, or c

<400> 47

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cctggaatct ttggatgtgt gccagttca cagattggac cctattgggtt tgtggtggg 1860
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<210> 48

<211> 1761

<212> DNA

<213> Homo sapiens

<400> 48

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<210> 49
<211> 956
<212> DNA
<213> Homo sapiens

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<220>
<221> misc feature
<222> (37)
<223> n equals a,t,g, or c

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<220>
<221> misc feature
<222> (352)
<223> n equals a,t,g, or c

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cgagtatgct tctgttttct cgtcatggg cgcctcggcc gccatggtct tcagcgcct 240
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gccggagcag atcatgaagt ccatcatccc agtggatcat gctggcatca tngycatcta 360
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cgtgggcatg atcctgattc tcattcttcg cgagggtgctc ggccctctacg gtctcatcgt 600
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<210> 50

<211> 563

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (510)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (519)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (530)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (558)

<223> n equals a,t,g, or c

<400> 50

cggacgcgtg ggcgcctccc gaatccagag aggcgctgct gacaccgccg ccacaccgcc 60
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caacctgaa gaaaacagga aagactgttt cctaccttgg ccttgagtag caggggcctg 300
gtccccacag cccacaggat ggaccaaagg gggcaggatg ctgatcctcc cgtggcttc 360
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ttgtcctatt ccttcctagc ttccctgcaa taaaatcaag ctgcttttgt tggaaaaaaa 480
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tccattcat ccggcctnaa aaa 563

<210> 51

<211> 3215

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (3196)

<223> n equals a,t,g, or c

<400> 51

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cgctcccttc cctccatagc cacgctccaa accccagggt agccatggcc gggtaaagca 180
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tcagggtccag agtagtttct ttctgtctgc tttaaatggr aacagactca taccacactt 480
acaattaagg tcaagcccag aaagtgataa gtgcaggag gaaaagtga agtccattat 540
gtaatagtga cagcaaagg accaggggag aggcattgcc ttctctgccc acagtctttc 600
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aaaaaaaaaa aaaccncggg ggggggcccga gaacc 3215

<210> 52

<211> 626

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (571)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (572)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (573)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (618)

<223> n equals a,t,g, or c

<400> 52

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accatgcctg agggatcaat cgtgtgctgc ctggaggaga agcctggaga ccgtggcaag 120
ctggcccggg catcaggga ctatgccacc gttatctccc acaacctga gaccaagaag 180
acccgtgtga agctgccctc cggtccaag aaggttatct cctcagccaa cagagctgtg 240
gttggtgtgg tggctggagg tggccgaatt gacaaacca tcttgaaggc tggccgggag 300
taccacaaat ataaggcaaa gaggaactgc tggccacgag tacggggtgt ggccatgaat 360
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cgcagagatg ccctgtctgg ccgcaaagt ggtctcattg ctgcccggcg gactggacgt 480
ctccggggaa ccaagactgt gcaggagaaa gagaactagt gctgagggcc tcaataaagt 540
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ggggccaact tacccttnca tgcaaa 626

<210> 53

<211> 920

<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (617)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (621)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (725)
<223> n equals a,t,g, or c

<400> 53
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aggtctaccg ttgagontcg ncaggggccag gagacatggc ttctgcatag ctgctgcctc 660
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ttttatgact gggcctcttc tggaaaatct agcaaggaga tttatataat ttttatgcat 840
agctgtgtgt cagtgtcagc cctgtattgt atttgattat ctctgaata aagttatgat 900
attawaaaaa aaaaaaaaaa 920

<210> 54
<211> 1090
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1024)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1034)
<223> n equals a,t,g, or c

<400> 54
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gtacacagaa atgttcaaaa tcatagtttt aatgtgtttt gaaaaggcca cacaattata 240
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<210> 55

<211> 1464

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (766)

<223> n equals a,t,g, or c

<400> 55

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gacgctctca gctctcggtg caggcccag cttccttcaa aatgtctact gttcacgaaa 120
tctgtgcaa gctcagcttg gagggatgac actctacacc cccaagtga tatgggtctg 180
tcaaagccta tactaacttt gatgctgagc gggatgcttt gaacattgaa acagccatca 240
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<210> 56

<211> 985

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (647)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (875)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (962)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (973)

<223> n equals a,t,g, or c

<400> 56

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gactggagga tcttgtaccc agagattccc cgtaagctcc gagagctgga agccgagggc 180
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<210> 57
<211> 1246
<212> DNA
<213> Homo sapiens

<400> 57
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<210> 58
<211> 1966
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1926)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1942)
<223> n equals a,t,g, or c

<400> 58
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ggcatttatg gaaatgaaca gcaccatgtt tgacgagctg acagccacat acaagtcaga 420

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tcgtcagcgt gagaaaaaga aagaaaagga gcgtgaagaa ttgtggaaaa aattggagga 480
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caaagggtgca tctgtaccaaa attgttttaa aaaaaaaac aaaaaaaca aaatctaggg 1860
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cttatnggac tctctgcttt gntattttaa taaaaaatct tacatc 1966

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<210> 59

<211> 1611

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (7)

<223> n equals a,t,g, or c

<400> 59

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aacaataatg atatactcct tatgacaggt tctgcccatt ctacaagaca gtagggatgc 780

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aatatttaat tttcaaaaac ataatgatta atgttccaat tatgcatcac ttccccagk 1560
ataaaycagg aatgkttgtg agaaaccatt gggaactata ctctttttta a 1611
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<210> 60

<211> 1849

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (100)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (977)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1846)

<223> n equals a,t,g, or c

<400> 60

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aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaggngnga 1849
```

<210> 61
<211> 233
<212> DNA
<213> Homo sapiens

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<400> 61
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tattattccc ttgactcac taattacact gctggaatat aaagaaatga tcctaaatat 180
atatgtagtt ttatggtcct aaatatgtat aaagctttat gatcactcgt gcc 233
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<210> 62
<211> 2333
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (3)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (6)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (7)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (14)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2327)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2331)

<223> n equals a,t,g, or c

<400> 62

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<210> 63

<211> 1470

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1410)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1414)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1419)

<223> n equals a,t,g, or c

<400> 63

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<210> 64

<211> 939

<212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (3)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (4)
 <223> n equals a,t,g, or c

<220>
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 <222> (11)
 <223> n equals a,t,g, or c

<400> 64
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<210> 65
 <211> 2068
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (308)
 <223> n equals a,t,g, or c

<400> 65
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<210> 66

<211> 1391

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1)

<223> n equals a,t,g, or c

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<223> n equals a,t,g, or c

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<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1358)
<223> n equals a,t,g, or c

<400> 66
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<210> 67
<211> 659
<212> DNA
<213> Homo sapiens

<220>
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<222> (139)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (475)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (585)
<223> n equals a,t,g, or c

<400> 67
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<210> 68
<211> 2981
<212> DNA
<213> Homo sapiens

<220>
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<222> (2858)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (2948)
<223> n equals a,t,g, or c

<400> 68
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<210> 69

<211> 603

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature
<222> (584)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (590)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (595)
<223> n equals a,t,g, or c

<400> 69
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agc 603

<210> 70
<211> 1101
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (195)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1080)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1081)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1090)
<223> n equals a,t,g, or c

<400> 70

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gggtgcctatt tggttatgac aaaagatatg gctaattttt attttgaaaa gtttgaataa 180
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gagtggaga atttgatgg catttcccat gcacctaatg ctgtgaaaa cgcattttat 660
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gaagaggaga aagcattgat ttatcagttc agtccaattt atactggaaa tatttcttca 780
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acattagata attaaatagt gagacataaa tagagtgttt ttcattgaaa agccttctta 1020
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<210> 71

<211> 714

<212> DNA

<213> Homo sapiens

<400> 71

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tgctgccatt tttattggtg tttgattatt ggaatgggtc catattgtca ctcttctac 660
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<210> 72

<211> 2890

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (555)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (2853)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (2882)
<223> n equals a,t,g, or c

<400> 72
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<210> 73

<211> 2488

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (277)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (446)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2382)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2412)

<223> n equals a,t,g, or c

<400> 73

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<210> 74

<211> 711

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (696)

<223> n equals a,t,g, or c

<400> 74

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<210> 75
<211> 906
<212> DNA
<213> Homo sapiens

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<221> misc feature
<222> (1)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (4)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (362)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (889)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (894)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (897)
<223> n equals a,t,g, or c

<400> 75
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cttaca 906

<210> 76

<211> 271

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (36)

<223> n equals a,t,g, or c

<400> 76

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aaaacaaaac cctctgtatc attatgtgaa caacggtgca aaaaagagga gacacagttt 180
acccatgggt agctaactat gatagtgaat gttgccttga accctgtttt agaaaaatgg 240
caagtgtggg tctcactctt ctagtctctg a 271

<210> 77

<211> 673

<212> DNA

<213> Homo sapiens

<400> 77

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accctacgg agaacgagct gaagttccac tacatggtgc acacatctct ggacgtgggtg 180
gatgagaaga tctccgcaat ggggaaggcc ctggtcgacc agaggagact gtacctgggc 240
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gaccgcatcc agtccagggc ctttgataac atggtgacgt cgatgatgat acaggtgtgc 480
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ggggggggcc cgg 673

<210> 78

<211> 367

<212> DNA

<213> Homo sapiens

<400> 78

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367

<210> 79

<211> 1344

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1319)

<223> n equals a,t,g, or c

<400> 79

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<210> 80

<211> 3748

<212> DNA

<213> Homo sapiens

<400> 80

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<210> 81

<211> 1891

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1869)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1879)

<223> n equals a,t,g, or c

<400> 81

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tttccgttna agtccccnt taggaccccc g 1891

<210> 82

<211> 1954

<212> DNA

<213> Homo sapiens

<400> 82

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atttatgggt attttttttt gaagttatta agcatattcc tttccacga acccttctcg 180
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aactttattg tgtgactaat tgcctagatt gtaagctctt tgagggcagg gcttgtctct 1860
tacacatctt tataatcccc tgcagcggct ttcagtattt tgtacttgta ggcacctaat 1920
aaatttatta tttgctatac tgaaaaaaa aaaa 1954

<210> 83

<211> 936

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (895)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (930)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (936)

<223> n equals a,t,g, or c

<400> 83

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<210> 84

<211> 1513

<212> DNA

<213> Homo sapiens

<400> 84

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<210> 85

<211> 1298

<212> DNA

<213> Homo sapiens

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<221> misc feature

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<400> 85

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<210> 86

<211> 2009

<212> DNA

<213> Homo sapiens

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 <222> (1955)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (1959)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (2008)
 <223> n equals a,t,g, or c

<400> 86
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<210> 87
<211> 534
<212> DNA
<213> Homo sapiens

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<221> misc feature
<222> (466)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (477)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (526)
<223> n equals a,t,g, or c

<400> 87
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<210> 88
<211> 4302
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1015)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (4270)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (4274)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (4296)
<223> n equals a,t,g, or c

<400> 88
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<210> 89

<211> 2782

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (82)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (743)

<223> n equals a,t,g, or c

<400> 89

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taaatgcagc aatgcataa aa 2782

```

<210> 90

<211> 1037

<212> DNA

<213> Homo sapiens

<400> 90

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aattcggcac gagctgtctg cgaagtggcc cttgattaca aaaagaagaa acacacctaa 60
acactttatc tccaagttac aaaagtttga ggtgcagagg gaaggccaga tttttttttt 120
aatgaaatta tatagattag atctcagtat ttaaactgtt cctcaatttt gtgaggctgt 180
gttgaaata accgcctct agtgcgtgtg gtatgcaagg cagcgggtgt taatcaatat 240

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ttaaacagat cgcataattat gatcttgctg cagccacagt gcagctccac attaaactcta 420
cagaccaaaac catttgatc tgcatcact tactaacaca cgacatgcgg cttttctgca 480
tcaactgcta tgacggttaa gaatgtcagt atacaagaag gaatagaaa ctgatactgt 540
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gtggtcgctc aggcctgggtg ctgagtcgta cgacctgtac ctctcaactt ttgccctatc 960
tgttaaatat atgctatgct attaaatgct tttaaatcta aaaaaaaaaa aaaaaaaaaa 1020
aacggggggg ggcccg 1037

```

<210> 91

<211> 1052

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (76)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (962)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (965)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1044)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1048)

<223> n equals a,t,g, or c

<400> 91

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ggagccacac cgcagnaagc acacgccctt ttgagccaga catgctgact ttctaataag 120
gatgttctct ctccacagct gaaagatgaa aattctaagc tgagaagaaa gctgaatgag 180
gttcaragct tctytraagc wcawacagaa atggtgagga cgcttgagcg gaagttagaa 240
gcaaaaaatga atcaaggagg aaagcgacta ccacgacctg gagtcggtgg ttcagcaggt 300

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```
ggagcagaac ctggagctga tgaccaaacg ggctgtaaag gcagaaaacc acgtcgtgaa 360
actaaaacag gaaatcagtt tgctccaggc gcaggctctcc aacttccagc gagagaaatga 420
agccctgcgg tgccggccagg gtgccagcct gaccgtggtg aagcagaacg ccgacgtggc 480
cctgcagaac ctccgggtgg tcatgaacag tgcaacaggc tccatcaagc aactggtttc 540
cggagctgag aactgaatc ttgttgccga aatccttaaa tctatagaca gaatttctga 600
agttaaagac gaggaggaag actcttgagg acccctgggt gttctcagca tgaagctccg 660
tgtataccct gaggtcacca ccgctcgatc taaatgtgca gttgtgtcct taaatatgca 720
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ttggccacca caatgggagc agccctggcc cgagttgtct ctgtggtttc tatgcagccc 840
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tnganggggc ccaagcttac gcgtgcattc gacgtcataa cttttttccc tataagggag 1020
cgattataag cttaggcact tggnccgngg tt 1052
```

<210> 92

<211> 1234

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1115)

<223> n equals a,t,g, or c

<400> 92

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cttcgcgcga tgcgcgctga ggccctgcctg accgaccttc agcagggctg tggctaccat 60
gttctctcgc gcgggtgtcg ctgggtgtgc ggccctggacc ttgcagccgc aatggattca 120
agttcgaat atggcaactt tgaaagatat caccaggaga ctaaagtcca tcaaaaacat 180
ccagaaaatt accaagtcta tgaaaatggt agcggcagca aaatatgccc gagctgagag 240
agagctgaaa ccagctcgaa tatatggatt gggatcttta gctctgtatg aaaaagctga 300
tatcaagggg cctgaagaca agaagaaaca cctccttatt ggtgtgtcct cagatcgagg 360
actgtgtggt gctattcatt cctccattgc taaacagatg aaaagcgagg ttgctacact 420
aacagcagct gggaaagaag ttatgcttgt tggaaattggt gacaaaatca gaggcatact 480
ttataggact cattctgacc agtttctggt ggcattcaaa gaagtgggaa gaaagccccc 540
cacttttgga gatgcgtcag tcattgccct tgaattacta aattctggat atgaatttga 600
tgaagctcc atcatcttta ataaattcag gtctgtcatc tcctataaga cagaagaaaa 660
gcccatcttt tcccttaata ccgttgcaag tgctgacagc atgagtatct atgacgatat 720
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tctgaaggag tccaccacta gtgagcagag tgccaggatg acagccatgg acaatgccag 840
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tgtcatcaca aaagagttga ttgaaaattat ctctggtgct gcagctctgt aaagaaggaa 960
aattcagcca gttgattttg tttttagctt actgctgcct ttgtccgaag aaactgttcc 1020
tccattattt gaattactga agacagcaag atatttgtaa attatcttaa aataaacaac 1080
ttaaataaaa atcattgttt ttcttatata taagnacaat agatatagtt tttgaaatga 1140
gatgatacta aaacatttaa aaatattaat atgctactat taaaattttt tagtagaaga 1200
caaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaa 1234
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<210> 93

<211> 1571

<212> DNA

<213> Homo sapiens

<220>
<221> misc feature
<222> (1497)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1516)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1530)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1546)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1571)
<223> n equals a,t,g, or c

<400> 93
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gctttccctg ggtccggggg ctgccasgag ggascgggar gtctgtccac ctcacaaggc 120
aggetctgtc agcttttgtc actccctgat ttcttattct ttgttacctt ttttcgcctg 180
actgattttt acttggcatt taagttcccc ttagcactgc cagattctaa aaggttatat 240
tctttttaaa aaagaagaga aagaagaag gaaagaagac aaagaagaa taaaacctc 300
cgagtgttaa ctacttttcc ctttcttctt ttttttataa agaatacatt ctttcacatc 360
ttgaatttct gtgaatttta gtttccattc tttctgcctt tgcaaaccag acacctaaat 420
tatacgtsga agctgttaaa aagttgtttt ttttttttta atggaaaata tccaagaagc 480
agcccaggag tatctgacat ggtggaatgg aatcagttag aaagcgaaga aatcactaaa 540
aaaagttact tcttttttcc cccaccagt ataactctca accttactag tttataacag 600
tttaatgtcc tatagaagga tcctccacta aagttataat tttaagtata gtcatataga 660
gagatcccta atcccctggg taatctagat actaaaggty gggaagaaca gtcatataga 720
cattctttta tccaaaacca ctgtttgaaa ttagtaagga tattttcagc attcccaaaa 780
acatgttatt agcacgttga gctgaaaacg ttttcttcc tcagttagta cagaaaccaa 840
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ggaagatccc aaacacaaaa gatggaagggt gaaaataaag actgctgac cgggaagaaa 1440

gtttgaatta ctaatagtg ggaataataa ttccagtttt ggttttaaac atctggnatt 1500
cctaaaaaaa aaaaanaaaa aaaaaaaacn cggggggggg cccggnaccc aattccccc 1560
aaaggggggg n 1571

<210> 94
<211> 1872
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (4)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (6)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (51)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1271)
<223> n equals a,t,g, or c

<400> 94
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gacctattca tgcattctca ccagcagctg gagcatctcc acccttggtg tttctggtgt 180
aaattacttg agctctgtgc tttgaaacca gtttgataag tcctttacta aggagctcct 240
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gccggccccg cctcacttct aatgagaagc ttatgctggc ctccatgttc cactcgtct 1260

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ttgccatcgg ntcccagctg tctcctgaac agggagagctc aggcattgag atgctggaga 1320
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ataccatggt ctactttcc aactctgtac agatttattt atggaggagc taggtccata 1800
aatgttghaa taaatattcc ttgatcttg gtgtttgcaa aaaaaaaaa aaaaaaaact 1860
cgagactagc gg                                     1872

```

<210> 95

<211> 1516

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1505)

<223> n equals a,t,g, or c

<400> 95

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ggagggcaga aaggagaggt gctgggaggc cttagtgcga gattgaggac tgggaatccg 60
cttcggggag ggcactgtct agtgcacagg caacctgggc ttsgcctcct agcccagaaa 120
gccgaatctc cctaatecct gtgaacctgt tcacctctgc atcgcgagga gggggataag 180
tgaggagaa gctgtgtgca gatgggatgg cggcggaaga ggggtgccaca ggggggacgg 240
aaggcgcccc caccaccaact ccacgggaat ataacaatt tgtattttcc gatcaggtgg 300
cgggacaggc ttcataggga cagccctaac ccagctgctg aatgccagag gccacgaagt 360
acgttggtct ccgaaagcc cgggcccggc cggatcacgt gggatgagct cgtgcatcg 420
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ggggncccg acccat                                     1516

```

<210> 96

<211> 1770
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (485)
<223> n equals a,t,g, or c

<400> 96
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gtcggacatt gaagcggtag ccatgccggc agwgtgaaca gtcttccac accccaaca 120
gcctgcgcaa acacatccgc aacaacccatg acacagtaaa gaagttctac acctgcgggt 180
actgcacaga ggacagcccc agctttcctc ggccctccct tctggagagc cacatcagcc 240
ttatgcatgg catcagaaac cctgatttga gccagacgtc caaagtgaaa cctccgggtg 300
gacattcccc tcaggtgaac catctgaaaa gaccagtcag tggagtgggg gacgctccag 360
gcaccagcaa tggcgcaact gtctcttcca ccaaaggca caagtcctt ttccagtgcg 420
cgaaatgtag ttttgcaca gactcggggc tcgagtttca gagccacata cctcagcacc 480
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gtgggtgggt ctttgttctg ctgttctgcc ttctctgaca ggtgggggtg gggcacacag 1620
acattggaat atttgactg ctctcgtgcc atttgagagg cttgctgccc caggcaggcc 1680
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<210> 97
<211> 938
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (183)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (293)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (360)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (938)
<223> n equals a,t,g, or c

<400> 97
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gccaggccta ggagaagaca ggtgcagctc ttgcagctct gcgggtgtgc ggccaaaggc 180
aangcccacg ggctggatgt cacttccccg actgtctctt ggttggttg tccttgtgca 240
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ctggcagaag acactcacca ggttatctgt gaagagactc tgggatccca tcacctcaaa 480
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<211> 311
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<213> Homo sapiens

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<222> (297)
<223> n equals a,t,g, or c

<220>
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<223> n equals a,t,g, or c

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<212> DNA
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<222> (2511)

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<211> 2981

<212> DNA

<213> Homo sapiens

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<211> 2804

<212> DNA

<213> Homo sapiens

<400> 102

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<211> 722

<212> DNA

<213> Homo sapiens

<400> 103

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<211> 1636

<212> DNA

<213> Homo sapiens

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<210> 105

<211> 1561

<212> DNA

<213> Homo sapiens

<400> 105

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ccaataacaa tgaagtctgt gtttgatctg atcgatactt tccagtcccg aatcaaaagt 840
atggagaagc agaagaagga gggcattgtt tgcaaaaggg acaaaaagca gtccctggag 900
aacttcctat ccagggtccg gtggaggagg aggttgctgg tgatctctgc tcctaacgat 960
gaagactggg cctattcaca gcagctctct gccctcagtg gtcaggcgtg caattttggt 1020

```

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ctgcgccaca taaccattct gaagctttta ggcgttggag aggaagttgg gggagtgtta 1080
gaactgttcc caattaatgg gagctctgtt gttgagcgag aagacgtacc agcccatttg 1140
gtgaaagaca ttcgtaacta ttttcaagt agcccgaggt acttctccat gcttctagtc 1200
ggaaaagacg gaaatgtcaa atcctggtat ccttcccca tggtggtccat ggtgattgtg 1260
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taccaggatg gttaccagga tgactaccgt catcatgaga gttatcacca kggataacct 1440
tactgagcag aaatatgtaa ccttagactc agccagtttc ctctgcagct gctaaaaacta 1500
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t 1561
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<210> 106

<211> 486

<212> DNA

<213> Homo sapiens

<400> 106

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catttgccaa aaatgagtct aagtgcattt actctcttcc tggcattgat tgggtgtacc 120
agtggccagt actatgatta tgattttccc ctatcaattt atgggcaatc atcaccaaac 180
tgtgcaccag aatgtaactg ccctgaaagc taccgaagt ccatgtactg tgatgagctg 240
aaattgaaaa gtgtaccaat ggtgcctcct ggaatcaagt atctttacct taggaataac 300
cagattgacc atattgatga aaaggccttt gagaatgtaa ctgatctgca gtggctcatt 360
ctagatcaca accttctaga aaactccaag ataaaaggga gagttttctc taaattgaaa 420
caactgaaga agtgcatat aaaccacaac aacctgacag agtctgtggg ccacttccc 480
aaatct 486
```

<210> 107

<211> 800

<212> DNA

<213> Homo sapiens

<400> 107

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cttgatctcg atcgtttctaa aaaagagttg tccccggttt taaccagtga agttcatagt 60
gttcgtgcag gacggcatct tgctacaaa ttgaatat tttagtacga acattttgac 120
ttggcttcaa ctactattac aaatattcca atgaaggtga ttcgcatcta ggtggcggca 180
gtcgagaagg ctggtttaaa gaaacaataa cattaaagtg gtgtacacca aggacaaata 240
acattgaatt acactattgt actggagctt atcggatttc acctgtatgt gtaaatagta 300
gaccttcctc ctgccttact aattttcttc taaatggctg ttctgtttta ttggaacaac 360
cacgaaagtc aggttctaaa gtcattagtc atatgcttag tagccatgga ggagagattt 420
ttttgcacgt ccttagcagt tctcgatcca ttctagaagr tccaccttca attagtgaag 480
gatgtggagg aagrgttaca gactaccgga ttacagattt tgggtgaatt atgagggaaa 540
acagattaac tccttttcta gacccagat ataaaatcga tggaggtctt gaggtccctt 600
tggaacgagc aaaagatcag ttagaaaaac ataccggtta ctggcctatg gatcatttca 660
caaaccacca tttttaacac gcaagcggtg gttccattag ccagtgttat tgtggaaaga 720
tcyctggaca gaggaagatg tggttwaaac ggtccaaaaa acatwttcca acttggttgg 780
ataaggggaa ggaaaaaagg 800
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<210> 108

<211> 1058

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (895)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1019)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1054)

<223> n equals a,t,g, or c

<400> 108

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ggcagcagcg tgactggcgc cgaaatggga gaaagcagcg agtgagaggg gaaggggcgc 60
caggcgagca cccgggagcc agcgggacct gggcaggggc gcccgagca ggccgcatgg 120
cgggccccgc gcggggatcc ggctggaaga gagcgtacac ggctcgcacg agtccggggc 180
cgatgtacca ggtgagcggc cagccccctc tggctgcgac gcgcccttat ggagccccc 240
gcgcamcccg gggccagccc agacccctat ccttccttcc tgggctggar gtaktaacag 300
gatccactca cctgcgggag gcagcaccag aggagggtcc cctggaggag gcggcaaccc 360
ccatgcccc  aggcaatggc cctggcatcc cccagggcct ggacagcact gacctcgacg 420
tccccacaga agctgtgaca tgccagcctc aggggaaccc ttgggctgca ccccaactct 480
gccgaatgac tctggccacc cctcagagct gggcggcacc agacgggcgg ggaatggtgc 540
cctgggtggc cccaaggccc accggaagtt gcagacacac ccattctctc ccagccaggg 600
cagcaagaag agtaagagca gcagcaaatc caccacctcc cagatcccc tccaggcaca 660
ggaagactgc tgtgtccact gcacctctgc ctgcctgttc tgcgagttcc tgacgctgtg 720
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ctgtgtctgc tgtggctctg gcgagtgtgc cgactgcgac ctgcctctgc acctggactg 840
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tgggctctgc ttctcctcct gagcctctgt cgggggctaa gccagcctgg cggccctgca 960
gattccagca gggtcctctc gaggggggcc agggccagga ctgtcacaca aggcttgana 1020
aagcccctct ccctggctct ctccaccca ccctgtgc 1058
```

<210> 109

<211> 1076

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (780)

<223> n equals a,t,g, or c

<400> 109

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caggaggaag caggaagaaa caggaggagg aacctgagac agagccgctg aagtccttgc 60
tggaagcaga tgggattaaa tgagcgacga gactgggaga gtgccagaga gagacaccaa 120
gaggatgcag gtctgtctgc tatcagctat gccgctgccc gttgcgctgc agaccgctt 180
```

```
ggccaagaga ggcatcctca aacatctgga gcctgaacca gaggaagaga tcattgccga 240
ggactatgac gatgacccctg tggactacga ggccaccagg ttggagggcc taccaccaag 300
ctggtacaag gtgttcgacc cttcctgcgg gctcccttac tactggaatg cagacacaga 360
ccttgatccc tggctctccc cacatgacct caactccgtg gttaccaaata cggccaagaa 420
gctcagaagc agtaatgcag atgctgaaga aaagttggac cggagccatg acaagtcgga 480
caggggcccat gacaagtcgg accgcagcca tgagaaacta gacaggggcc acgacaagtc 540
agaccggggc cacgacaagt ytgacaggga tcgagagcgt ggctatgaca aggtagacag 600
agagagagag cgagacaggg aacgggatcg ggaccgcggg tatgacaagg cagaccggga 660
agagggcaaa gaacggcgcc accatcgccg ggaggagctg gctccctatc ccaagagcaa 720
gaaggcagta agccgaaagg atgaagagtt agaccccatg gaccctagct catactcagn 780
acgcccccg ggacgctggt caacaggact cccaagcgg aatgaggcca agactggcgc 840
tgacaccaca gcagctgggc cctctttcca gcagcgccg tatccatccc caggggctgt 900
gctccgggcc aatgcagagg cctcccgaac caagcagcag gattgaaagt tcggcctccc 960
tgccctggg ttaaaataaa agctttctgg tgatcctgcc caccaaaaaa aaaaaaaaaa 1020
aaaaaaaaa aaaaaaaaaa aaaaaaaaaa waaaaaaatt ttgggggggg cccct 1076
```

<210> 110

<211> 1199

<212> DNA

<213> Homo sapiens

<400> 110

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gttggtggag ttctgcccgg atggaagctc cggccgcgga gtgatggtgg cctcagcgaa 60
gatgggcccgg gcagggacca tggcggtggc agcagagggt gcaggggcgg ggcggctggc 120
ggtagaggag gctgtgttcc tcaggggggt gtaggtggag gtatggctcg ggccagcagc 180
gggaacggca gcgaggaggc ctggggggca cttcgggcgc cgcaacagca gcttcgagag 240
ctgtgcccag gagtgaacaa ccagccctac ctctgtgaga gtggtcactg ctgcggggag 300
actggctgct gcacctacta ctatgagctc tgggtgttct ggctgctctg gactgtcctc 360
atcctcttta gctgctgttg cgccttccgc caccgacgag ctaaactcag gctgcaacaa 420
cagcagcggc agcgtgaaat caacttgttg gcctatcatg gggcatgcc a tggggctgggt 480
cctttcccta ccggttcaact gcttgacctt cgcttcctca gcaccttcaa gccccagcc 540
tacgaggatg tggttcaccg cccaggcaca ccaccccc cttatactgt ggccccaggc 600
cgccccctga ctgcttccag tgaacaaacc tgetgttcc cctcatccag ctgcccctgcc 660
cactttgaag gaacaaatgt ggaagggtgt tcctcccacc agagtgtccc ccctcatcag 720
gaggggtgag ccggggcagg ggtgacctct gcctccacac cccctcctg ccgctatcgc 780
cgtttaactg gcgactccgg tattgagctc tgccctgtc ctgcctccgg tgagggtgag 840
ccagtcaagg aggtgagggt tagtgccacc ctgccagatc tggaggacta ctcccctgtg 900
gcactacccc cagagtctgt accgcagatc tttcccatgg ggctgtcttc cagtgaaggg 960
gacatcccat aagtagtttt gagagggtgg atgggttact tgcccaccag aaacagccct 1020
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gctggagagg ggcagtattg ggggactgtg ctagctttac cccgcagga catacacagg 1140
agcctttgat ctcattaaag agatgtgaac cagctaaaaa aaaaaaaaaa aaactcgag 1199
```

<210> 111

<211> 3630

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (3606)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (3608)

<223> n equals a,t,g, or c

<400> 111

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tgtggaccgc ggacgtcgct gggacagccc ctccccgctg ctccggcgcg gcacctggcc 120
cggccgctcc tcgctgcgct tcgcctccgc ctccctcggac tcggactcgg gtttatatcg 180
cgccctcaact catcccagtc ccgggcgagc agcgttgggt ttatgtcttt atttgacgaa 240
aacgacagaa gataccaaaa agttgcaatc aaagatctct tcactttatt gataaagcca 300
ctaataagcc aaaatgtctg tcaatgtcaa ccgcagcgtg tcagaccagt tctatcgcta 360
caagatgccc cgtctgattg ccaaggttga gggcaaaggc aatggaatca agacagttat 420
agtcaacatg gttgacgttg caaaggcgct taatcggcct ccaacgtatc ccaccaaata 480
ttttggttgt gagctgggag cacagaccca gtttgatgtt aagaatgacc gttacattgt 540
caatggatct catgaggcga ataagctgca agacatgttg gatggattca ttaaaaaatt 600
tgttctctgt cctgaatgtg agaatcctga aacagatttg catgtcaatc caaagaagca 660
aacaataggt aattcttgta aagcctgtgg ctatcgaggc atgcttgaca cacatcataa 720
actctgcaca ttcattctca aaaaccacc tgagaatagt gacagtggta caggaaagaa 780
agaaaaagaa aagaaaaaca gaaagggcaa agacaaggaa aatggctccg tatccagcag 840
tgagacacca ccaccaccac caccacaaaa tgaaattaat cctcctccac atacaatgga 900
agaagaggag gatgatgact ggggagaaga tacaactgag gaagctcaaa ggcgtcgaat 960
ggatgaaatc agtgaccatg caaaagtctc gacactcagt gatgatttgg aaagaacaat 1020
tgaggagagg cctcaatgcc tctttgattt tgttaaagaa aagaagaagc aggggtgttat 1080
tgattcatct gacaaagaaa tcgttgctga agcagaaaga ctggatgtaa aagccatggg 1140
ccctcttggt ctaactgaag ttctttttta tgagaagatt agagaacaga ttaagaaata 1200
caggcgccat ttctacgat tttgtcacia caacaaaaaa gcccaacggg acctcttca 1260
tggtttggag tgtgtggtag caatgcatac agctcagctt atctccaaga ttccacatat 1320
cttgaaggag atgtacgatg cagacctttt agaagaagag gtcacatca gctggtcgga 1380
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caacctagct taacagtata atgttgcaaa tttcctcca ttatcagcca gaagtgaac 1680
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caaaatgtta gacatactgt attttttcgt tcagtgtggc ttaatttttc ccctcttgca 2580
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gtttgttctg taatgccttt tacatttga cacaatagttt atsccttttt ttggtgtaag 2640
acttgggata ttttttactt cacattgaat atagccaggc acccaagaag tctgatggcc 2700
acctgagtg c aggtgacaag gacctgacag agcccatgca ggcttttaga tttggacaca 2760
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gttcacaggt taccctaata gagtaattct tcactttgct ctattgaact gtcttaagga 3540
tttgttttaa cagctaagtt acttgattaa aataatgata aaattgttaa aaaaaaaaaa 3600
aaaaantnct gsggtccgct aagggaattc 3630

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<210> 112

<211> 1526

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1496)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1511)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1512)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1515)

<223> n equals a,t,g, or c

<400> 112

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tcgacccacg cgtccgcagc aggccctgcg cgcggaaca tggcggggtc caggtggagg 60
tcttgaggct atcagatcgg tatggcattg gcgtccgggc ccgcaaggcg ggcgctagct 120
ggctccgggc agctcggcct tgggggcttc ggggccccga gacgcggggc gtatgagtgg 180
ggcgtgcgct ccacgcggaa gtcggagcct cctcccttgg atagggtgta cgagatccct 240
ggactggagc ccatcacctt tgcggggaag atgcacttcg tgccctggct ggcgcggccg 300
atctttccgc cctgggaccg cggctacaag gacccaaggt tctaccgctc gccccctctt 360

```

cacgagcatc cgctgtacaa agaccaggcc tgctatatct ttcaccaccg ttgccgcctt 420
ctcgaggggtg taaagcaggc cctctggctc accaagacca agttaataga aggccttccc 480
gagaaagtgc ttagccttgt tgatgatcca aggaaccaca tagagaacca agacgagtgc 540
gttctgaaatg tgatctctca cgcccgctctc tggcagacca ctgaggaaat cccaagaga 600
gagacctact gcccggtcat cgtggacaac ctaatacagc tgtgtaaata tcagattctc 660
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gatcctctgc ccaccatcgc ctccagagag gagattgaag ctactaagaa tcatgttcta 840
gagaccttct accccatato acccatcato gatcttcatg aatgcaatat ttatgatgtg 900
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aaggtcttg agcagcccg ggtggtgcag agcgtgggca cggatggacg tgtcttccat 1140
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gcctgggtgg actcagacca gctcctctat cagcattttt ggtgtctccc agtgatcaaa 1260
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ccctcttgcc tctcttccac ggaagaggcc tgggccccgt ggagcctcag tgcccgtttg 1440
gcctgctgct ctgctgaca ataaagagcc cttgcgttgc aaaaaaaaaa aaaaangggg 1500
ggccgctcaa nngncccaa gttagt 1526

<210> 113

<211> 585

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (422)

<223> n equals a,t,g, or c

<400> 113

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tggtgttgg attaggagat ctgcacatcc cacaccgggt caacagtttg ccagctaaat 120
tcaaaaaact cctggtgcc ggaataatc agcacattct ctgcacagga aacctttgca 180
ccaaagagag ttatgactat ctcaagactc tggctggtga tgttcatatt gtgagaggag 240
acttcgatga gaatctgaat tatccagaac agaaagtgtg gactgttgga cagttcaaaa 300
ttggtctgat ccatggacat caagttattc catggggaga tatggccagc ttagccctgt 360
tgcagaggca atttgatgtg gacattctta tctygggaca cacacacaaa tttgaagcat 420
tngagcatga aaataaatc tacattaatc caggttctgc cactggggca tataatgcct 480
tggaacaaa cattattyca tcattgtgtt gatggatatc caggcttcta cagtggkac 540
ctatgtgtaa tcagctaatt ggagatgaag tgaaagtaga acgga 585

<210> 114

<211> 501

<212> DNA

<213> Homo sapiens

<400> 114

gatgaaaaga aggtttttgc tcttcaaagt cttaagtaaa ctaaaaggca gagctggaaa 60
taaagcccg attgtggact ccaagtaatg ctctttctgc tacaccatac tttgtggtgt 120


```

ctgctcccat gtgcttcttc gctaaggctg atcaaaaaag ttagtaggtt gcttcagcta 180
taagaatttg atggtcttcc ttagtcatca tagtctgcag caatcatttt tgttcatcat 240
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gcataataaa aggctccatg taggatgcta atacttgagt gaaatatgct tcataagcag 420
ccttgttttg acagagttgg tgtaaagtga ggttatgtct tggcctgagc gtcttcaaag 480
catgtgccac tttgtgcac t

```

501

<210> 115

<211> 1965

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (338)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (343)

<223> n equals a,t,g, or c

<400> 115

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tatccctga agccgggccc cgcgtccag mcttgccca aaggcaggag cagcagacaa 120
gagtgcagtg gtggctgccg ccgcaccagc ctcagtggca gatgacacac cccccccga 180
gcgtcggaaac aagagcggta tcatcagtga gccctcaac aagagcctgc gccgctcccg 240
cccgtctctc cactactctt cttttggcag cagtgggtgt agtgccggtg gcagcatgat 300
gggcgggagag tctgtgcaca aggccactgc ggctgcanc tgnccctccct gttggccaat 360
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agtgggtgtg tggccagcct gctgagcaag gcagagcggg ccacggagct ggagcggag 480
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gagcatctcc cgtgatgag cgaggcgggt gctggcctgc ctgacatgga ggctgtggca 600
ggtgccgaag ccctcaatgg ccagtccgac ttcccctacc tgggcgcttt ccccatcaac 660
ccaggcctct tcattatgac ccgggcaggt gtgttccctg ccgagagcgc gctgcacatg 720
gcgggccttg ctgagtacc catgcaggga gagctggcct ctgccatcag ctccggcaag 780
aagaagcggg aacgctgcg catgtgcgag ccctgccggc ggcgcatcaa ctgcgagcag 840
tgcagcagtt gtaggaatcg aaagactggc catcagattt gcaaattcag aaaatgtgag 900
gaactcaaaa agaagccttc cgtgtctctg gagaagggtg tgcttccgac gggagccgcc 960
ttccggtggt ttcagtgcag gcggcggaac ccaaagctgc cctctccgtg caatgtcact 1020
gctcgtgtgg tctccagcaa gggattcggg cgaagacaaa cggatgcacc cgtctttaga 1080
accaaaaata ttctctcaca gatttcattc ctgtttttat atatataatt tttgtgtcag 1140
ttttaacatc tccacgtccc tagcataaaa agaaaaagaa aaaaatttaa actgcttttt 1200
cggaagaaca acaacaaaaa agaggtaaa acgaatctat aaagtaccga gacttccttg 1260
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gttgatggcg ccgtgtagaa gccgctctgt atccatccac gcgtgcagag ctgccagcag 1560
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tgggatcccc caccocaaca gtgatttttg aaaaaaaaaat gaaagttctg ttcgtttatc 1680
cattgcgatac tggggagccc catctcgata tttccaatcc tggctacttt tcttagagaa 1740
aataagtcct ttttttctgg ccttgctaata ggcaacagaa gaaagggtt ctttgcgtgg 1800
tcccctgctg gtgggggttg tcccagggg cccctgcgc ctgggcccc ctsccacggc 1860
cagcttcctg ctgatgaaca tgctgtttgt attgttttag gaaaccaggc tgttttgtga 1920
ataaacgaa tgcattgttg tgccacgaar maaaaaaaaa aaaaaa 1965
```

<210> 116

<211> 1060

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (299)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1060)

<223> n equals a,t,g, or c

<400> 116

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gaaacacata cattggatat gggaagatgg cggtctgtgtc ggtgtatgct ccaccagttg 60
gaggtctctc ttttgataac tgccgcagaa tgccgtcttg gaagccgatt ttgcaaagag 120
gggatacaag cttccaaagg yccggaaaac tggcacgacc atcgctgggg tggctataaa 180
ggatggcata gttcttgagg cagatacaag agcaactgaa gggatggttg ttgctgacaa 240
gaactgttca aaaatacact tcatactctc taatatttat tgttggtgtg ctgggacanc 300
tgcagacaca gacatgacaa cccagctcat ttcttccaac ctggagctcc actccctctc 360
cactggccgt cttcccagag ttgtgacagc caatcggatg ctgaagcaga tgcttttcag 420
gtatcaagggt tacattggtg cagccctagt tttaggggga gtagatgtta ctggacctca 480
cctctacagc atctatcttc atggatcaac tgataagttg ccttatgtca ccatgggttc 540
tggctccttg gcagcaatgg ctgtatttga agataagttt aggccagaca tggaggagga 600
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cggaagcaac attgacctct gcgtcatcag caagaacaag ctggattttc tccgcccata 720
cacagtgcgc aacaagaagg ggaccagggt tggccggtac aggtgtgaga aagggaactac 780
tgcagtcctc actgagaaaa tcaactcctc ggagattgag gtgctggaag aaacagtcca 840
aacaatggac acttcttgaa tggcatcagt ggggtgctgg ccgcggttct ggaaggtggt 900
gagcattgag gccagtaag acactcatgt ggctagtgtt tgccgaatga aactcaactc 960
aataaaaaac aaaaacccaa ttgggcagct gaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 1020
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 1060
```

<210> 117

<211> 709

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (174)

<223> n equals a,t,g, or c

<400> 117

```

aattcggcac gagaacatcc attctaaagg gctactgtcc caaatcctgt gtgtcctttt 60
gacttgctctg atcacccaat ggaagtggat acttgtaaag tctacaccac tgtacttggc 120
gttaaatctt gctgaattcg tggtaagctg ttaccatgtc tacattttgt agantgattt 180
tgggtctgcag caaaattcga ttccacttct catacccctt tccttccact tgaaatgcaa 240
tttagacaga ggccctgtgg tgaagttgc aatattaaagt ttmccttttag aagatcccyt 300
cctcaaacct cagaaccctt agcagtggtta ccctwaaaca aaaatgagct cgagaaaaaa 360
gtagctcagt tacagagaag caaatcgagt tatttcccca cataaaaagt ttcccagat 420
tctaagaatt gcagtatcct gtaccctaaa atttttcaag gtgactcctg ttgtcgtctg 480
ttgataactt taataaagggt catttaagga cataagtttt taaagactcc caaagtgaaa 540
cttaaacatt ttccgggatta tcgattgcatt atatcagttt atgctgtgtg ctgaattact 600
atgccatgtg ctatttttagt gtttggggaa aatgaaaaat aaaatttgtt ctttagctta 660
ataaatatgt cttattttta aaaaaaaaaa aaaaaactcg agactagct 709

```

<210> 118

<211> 2053

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (813)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2049)

<223> n equals a,t,g, or c

<400> 118

```

ctccttggcg cctgtcccca cggcccccgc agcgtgacca cgatgctccc catacccccac 60
ccattcccgga tacaccttac ttactgtgtg ttggcccagc cagagtgagg aaggagtttg 120
gccacattgg agatggcggt actgagcaga catgccccca cgagtagcct gactccctgg 180
tgtgtcctct gaaggaagat cttggggacc ccccaccgg agcacacca rggatcatct 240
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gggggagttc tggggttagga agtgggtccc ggagattttg gatggaaaag tcaggaggat 420
tgacagcaga cttgcagaat tacatagaga aattaggaac ccccaaattt catgtcaatt 480
gatctattcc ccctctttgt ttcttggggc attttccctt tttttttttt ttttgttttt 540
tttttaccct tccttagctt tatgcgtca gaaaccaaatt taaacccccc ccccatgtaa 600
caggggggca gtgacaaaag caagaacgca cgaagccagc ctggagacca ccacgtcctg 660
ccccccgcca tttatcgccc tgattggatt ttgtttttca tctgtccctg ttgcttgggt 720
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aggggagtgg agaaggccac tgtccggcct ggnttctggg gacagtggct ggtcccaga 840
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ggaacctcc cctctccctc ggtgacatct tgcccggccc tcagcaccct gccttgtctc 1080
caggaggtcc gaagctctgt gggacctctt gggggcaagg tggggtgagg ccggggagta 1140
gggaggtcag gcgggtctga gccacagag caggagagct gccaggtctg cccatcgacc 1200

```

```

aggttgcttg ggccccggag cccacgggtc tggatgatgcc atagcagcca ccaccgcggc 1260
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ccagctcagc cccctgcac gcagcccgac tagcagctca gaggcctgag gcttctgggt 1380
cctgggtgacg gggctggcat gaccccgggg gtcgtccatg ccagtccgcc tcagtgcgag 1440
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gagccaaatt gtcacaattg tgaacccac attggcctga gatccaaaac gcttcgaggg 1560
accccaaat acctgcccat tcgtcaggac acccaccac ccagtgttat attctgcctc 1620
gccggagtgg gtgttcccg ggccacttgc cgaccagccc cttgcgtccc cagggtttgca 1680
gctctccctt gggccactaa ccacccctgc ccgggctgcc tgtctgacct ccgtgcctag 1740
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cttgggtccc ctctcttgc atcacctgaa gaccccaag ccaaacactg aatgtcacct 1860
gtgcctgccg cctcggtcca cttgcggccc gtgtttgact caactcagct cctttaacgc 1920
taatatttcc ggcaaaatcc catgcttggg ttttgtctt aacctgttaa cgcttgcaat 1980
cccaataaag cattaaaagt catraaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 2040
gggggggggnc cgg                                     2053

```

<210> 119

<211> 1824

<212> DNA

<213> Homo sapiens

<400> 119

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agttcctagc aagctgttca caagattgcc tgataagaat atggaagctg tatataaagt 60
caacatcttt agaaactcag gatgacgata acataagact gaaggaaaa acttttacca 120
tagaaaaatga aaagtgttaa aatagcattt gctgttactc tggagacagt gctagccggg 180
catgaaaact gggtaaatgc agttcactgg caacctgtgt ttacaaaga tgggtgccta 240
cagcagccag tgagattatt atctgcttcc atggataaaa ccatgattct ctgggctcca 300
gatgaagagt caggagtgtt gctagaacag gtccgagtag gtgaagtagg tgggaatact 360
ttgggatttt atgattgcca gttcaatgaa gatggctcca tgatcattgc tcatgcttcc 420
cacggagcgt tgcacctttg gaaacagaat acagtttaacc caagagagtg gactccagag 480
attgtcattt caggacactt tgatggtgtc caagacctag tctgggattcc agaaggagaa 540
tttattatca ctgttggtac tgatcagaca actagacttt ttgctccatg gaagagaaaa 600
gaccaatcac aggtgacttg gcatgaaatt gcaaggcctc agatacatgg gtatgacctg 660
aaatgttttg caatgattaa tcgggttcag tttgtatctg gagcagatga aaaagtctct 720
cgggtttttt ctgcacctcg gaattttgtg gaaaattttt gtgccattac aggacaatca 780
ctgaatcatg tgctctgtaa tcaagatagt gatcttccag aaggagccac tgtccctgca 840
ttgggattat caaataaagc tgtctttcag ggagatatag cttctcagcc ttctgatgaa 900
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cttgccctcag cttgttaaggc agctaagaaa gagcatgcag ctatcattct ttggaacact 1140
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aagtatttct tcaactgggag tcgagacaaa aagggtggtt tctgggggtga gtgtgactcc 1440
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gtaggatttg agtgtggaaa gatttgctta tatacctgga aaaagactga tcaagttcca 1620
gaaataaatg actggacca ctgtgtgata acaagtcaaa gccaaagtca tcaactggct 1680
atcagaaaat tatgctggaa gaattgcagt ggaaaaactg aacagaagga agcagaaggt 1740

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gctgagtggt tacactttgc aagctgtggt gaagatcaca ctgtgaagat acacagagtc 1800
aataaatgtg cactgtaatg gaaa 1824

<210> 120
<211> 606
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (144)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (155)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (598)
<223> n equals a,t,g, or c

<400> 120
aggaaagctgg gggaccattt tgcaccatga gtttgtgaaa aatctggatt aaaaaattac 60
tcttccagtg ttttctcatg cmaaatttyc tyctarcatg tgataatgag taaactaaaa 120
ctatttgcag cttttcctca attnacattt tggtngtata ctccagagtg atgttatcta 180
agtttaagta gtttaagtat gttaaatgtg gatcttttac accacatcac agtgaacaca 240
ctggggagat gtgctttttt ggaaaactca aagggtgctag ctccctgatt caaagaaata 300
tttctcatgt ttgttcattc tagtttatat ttctatttaa aatcctttag gtttaagtta 360
agctttttaa aagttagtta aaagaattga gacacaatac taatactgta ggaattgggtg 420
aggccttgac ttaaaaacttt ctttgtactg tgatttcctt ttgggtgtat ttgctaagt 480
gaaacttggt aaattttttg ttaactaaat ttttttctta aaataaagac tttttcacia 540
wraaaaaaaaa aaaaaaaaaa actcgagggg gggcccgtag ccaatcgctt gtgatgtntc 600
gtatac 606

<210> 121
<211> 838
<212> DNA
<213> Homo sapiens

<400> 121
gaatcccggg tcgaccacg cgtccgggaa agatcggcgc gcaccgcagg agcaacggtt 60
ggtcctgcgg ctgtgatgtc ggtgttgagg cccctggaca agctgcccgg cctgaacacg 120
gccaccatct tgcgtggggg cacggaggat gctcttctgc agcagctggc ggactcgatg 180
ctcaaagagg actgcgcctc cgagctgaag gtccacttgg caaagtccct ccccttgccc 240
tccagtgatg atcggcccg aattgacctg atcgtgtttg tggttaatct tcacagcaaa 300
tacagycctc agaacacaga ggagtccctg cgccatgtgg atgccagctt cttctgggg 360
aargtgtgtt tcctcgccac aggtggtggm rggttttagg gccaccatgg cgcacgcct 420
ggtgcgcgtg ctgcagatct gtgctggcca cgtgcccggt gtctcagctc tgaacctgct 480
gtccctgctg agaagctctg agggccctc cctggaggac ctgtgagggg ggctkgcccc 540

```
tgggctgccc cttctcatgg cttcgtgctg actccataaa cattctctgt tgaggatgtc 600
cagtcagggc ttgacaggcc caggctcagc cccccgtggc tgggaaggtt ccctgcagtg 660
ccagtgtctg agcagggaga gctgggcaga agcagcgagg gggcccagct ggcgagactg 720
tagccccctc ccactccac actcactctt gcagagcctg tgtctttaag cagctggcgt 780
gttacatctc catttaaggt ttcttttgaa caaaaggtct gtggctaaaa aaagttaa 838
```

<210> 122

<211> 656

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (41)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (218)

<223> n equals a,t,g, or c

<400> 122

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ggcacgagcg ctcttgctgc gacgcacggt cggaagcgga ncaaggtcga ggcggggttg 60
gcgccggagc cggggccgct tggagctcgt gtggggtctc cggtccaggc gcgggcatgg 120
gcgtccttgc cgcagcggcg cgtgccttgc tccggggtgc ggaccgaatg agcaagtga 180
cgagcaagcg gggcccgcgc agcttcaggc gccgcaangc ccggggcgcc aagggcacgc 240
gcttcctcac ctccgggttg aggttcgtgc agatcaagga gatggtcccg gagttcgtcg 300
tcccggatct gaccggcttc aagctcaagc cctacgtgag ctacctgcc cctgagagcg 360
aggagacgcc cctgacggcc gcgcagctct tcagcgaagc cgtggcgccct gccatcgaaa 420
aggacttcaa ggacgggtacc ttcgaccctg acaacctgga aaagtacggc ttcgagccca 480
cacaggaggg aaagctcttc cagctctacc ccaggaactt cctgcgctag ctgggcgggg 540
gaggggcggc ctgccctcat ctcatcttca ttaaacgcct ttgccagcta aaaaaaaaaa 600
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaggggggg gggcgagcgc gtgggc 656
```

<210> 123

<211> 1386

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (8)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1283)

<223> n equals a,t,g, or c

<400> 123

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aaccgggnaa aaggaaaccg tgttgtgtac gtaagattca ggaaacgaaa ccaggagccg 60
```

```

cgggtgttg cgcaaaggtt actcccagac ctttttccgg ctgacttctg agaaggttgc 120
gcacagctgt gcccggcagt ctagaggcgc agaagaggaa gccatcgctt gcccgcggct 180
ctctggacct tgtctcgctc gggagcggaa acagcggcag ccagagaact gttttaatca 240
tgacaaaaca aaactcacag atgaatgctt ctaccccgga aacaaacttg ccagttgggt 300
atcctcctca gtatccaccg acagcattcc aaggacctcc aggatatagt ggctaccctg 360
ggccccaggt cagctaccca ccccaccag ccggccattc aggtcctggc ccagctggct 420
ttcctgtccc aaatcagcca gtgtataatc agccagtata taatcagcca gttggagctg 480
caggggtacc atggatgcca gcgccacagc ctccattaaa ctgtccacct ggattagaat 540
atttaagtca gatagatcag atactgattc atcagcaaat tgaacttctg gaagtttta 600
cagggtttga aactaataac aaatatgaaa ttaagaacag ctttggacag agggtttact 660
ttgcagcggg agatactgat tgctgtaccg gaaattgctg tgggccatct agacctttta 720
ccttgaggat tattgataat atgggtcaag aagtcataac tctggagaga ccactaagat 780
gtacgagctg ttgtgtgtcc tgctgccttc aggagataga aatccaagct cctcctgggt 840
taccaatagg ttatgttatt cagacttggc acccatgtct accaaagttt acaattcaa 900
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tccctttaga ccttgatgtt aaaatgaaag ctgtaatgat tgggtcctgt ttcctcattg 1140
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aattawagtt takcttctgt ataactgatt tataaaggtt tttgtacatt ttttaatact 1380
cattgg
1386

```

<210> 124

<211> 845

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (823)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (825)

<223> n equals a,t,g, or c

<400> 124

```

ggcagaggtt cacaccgga agcaggggcc cgaggcggag ccggccgcga tgagcgggga 60
gccggggcag acgtccgtag cgccccctcc cgaggaggtc gagccgggca gtgggggtccg 120
catcgtggtg gagtactgtg aacctgcggg cttcgaggcg acctacctgg agctggccag 180
tgctgtgaag gagcagtatc cgggcacoga gatcgagtcg cgctcgggg gcacaggtgc 240
ctttgagata gagataaatg gacagctggt gttctccaag ctggagaatg ggggctttcc 300
ctatgagaaa gatctcattg aggccatccg aagagccagt aatggagaaa ccttagaaaa 360
gatcaccaac agccgtcctc cctgcgtcat cctgtgactg cacaggactc tgggttcctg 420
ctctgttctg gggtcctaac ctttgtctcc ctttgtctcc gctgggagct cccctgcct 480
ctttccctta cttagctcct tagcaagag accctggcct ccactttgcc ctttgggtac 540
aaagaaggaa tagaagattc cgtggccttg ggggcaggag agagacactc tccatgaaca 600
cttctccagc cacctcctac ccccttccca gggtaagtgc ccacgaaagc ccagtccact 660

```

```
cttcgcctcg gtaataacctg tctgatgcc cagatTTTTat ttattctccc ctaaccacagg 720
gcaatgtcag ctattggcag taaagtggcg ctacaaacac taaaaaaaaa aaaaaaaaaa 780
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa atntnngggg ggggcccccc 840
cccccc 845
```

<210> 125

<211> 1656

<212> DNA

<213> Homo sapiens

<400> 125

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ctcccaactcc tgcctcgcac tccctttctc cctccttgcc cgcctccccc ccgagtccctc 60
ctcacgcccc ggactctcca ctgttcaact cgagatgcag ctctccactc cagctcaatc 120
tgctgcagct ggaggagctc ccccgctgctg agggggctgc tgttgaggga ggccctggga 180
gcagtgcctg gccccacact cccartgcgg aggcctgctga gccagaggcc agactggcgg 240
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tgctgcaaga rgactcgcg tccggcacag gctccgcagc ctccggctcc ttgggctctg 360
gcttgggctc tgggtctggt tcaggctccc atgaaggggg cagcacctca gccagcatca 420
ctcgagcagc ccagagcagc cacacaagca aatacttttg cagcatcgac tcttccgagg 480
ctgaggctgg ggctgctcgg ggcggggctg agcctgggga ccagggtgatt aagtacgtgc 540
tccaggatcc catttggtg ctcatggcca atgctgacca gcgcgtcatg atgacctacc 600
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ggagcagcac ccaagatcct ggtcacctc atgaccact ctctcagag ctggatggac 840
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tggaacctgg agtccctggt gctgcccctc aggtgggacc caggcgttct cagctgtacc 1560
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<210> 126

<211> 837

<212> DNA

<213> Homo sapiens

<400> 126

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aaaattccag ttatttattt ccaaaatgtt tggaaacagt ataatttgac aaagaaaaat 180
gatacttctc tttttttgct gttccaccaa atacaattca aatgcttttt gttttatttt 240
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gccctcccta ttttaactac ctcaactggc cagaaacaca gattgtattc tatgagtccc 480
agaagatgaa aaaaatttta tacgttgata aaacttataa atttcattga ttaatctcct 540
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gtactttcac ttttaaacct tagatcagaa ttgttgactt gcattcagaa cataaatgca 780
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<210> 127

<211> 1217

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1168)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1169)

<223> n equals a,t,g, or c

<400> 127

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ttccgcagtt cgaagcccag ttgggcccag cagggtggagg aggaggggga ggacgacaaa 180
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aagacagtga cagagtacaa gatagatgag gatggcaaga agttcaagat tgtccgcacc 360
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gatgtctcta tgacgttcat caccagcaaa gaggaactga actgccagga ggaggaggac 540
cctatgaaca aactcaaggg ccagaagatc gtgtcctgcc gcactctgcaa gggcgaccac 600
tggaaccacc gctgccccta caaggatacg ctggggccca tgcagaagga gctggccgag 660
cagctgggac tgtctactgg cgagaaggag aagctgccgg gagagctaga gccggtgcag 720
gccacgcaga acaagacagg gaagtatgtg ccgcccagcc tgcgcgacgg ggccagccgc 780
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cactgtgtac tcggtccggg acccttggcg acagaagaca gcctccgaga gcgcgggctc 1140
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<210> 128

<211> 1349

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (57)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1133)

<223> n equals a,t,g, or c

<400> 128

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gctgaggaca tgacatccaa agattactac tttgactcct acgcacactt tggcatccac 180
gaggagatgc tgaaggacga ggtgcgcacc ctcaacttacc gcaactccat gtttcataac 240
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tggtcggcgc ccgatggcct catcttccca gaccgggcca cgctgtatgt gacggccatc 600
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aaaaaaaaa aaaaaaaaaa aaaaaaaaaa                                     1349
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<210> 129

<211> 2318

<212> DNA

<213> Homo sapiens

<400> 129

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tgcgcacgga cgtgctcgag ttctctctgc tctccgctct cgcgcgctag ctctctctcc 60
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gcacggctcc gggtagccat ggaggacccc acgctctata ttgtcgagcg gccgcttccc 180
gggtaccccc acgcgagggc cccggagcct tctccgctg gggctcaggg agcggaggag 240
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ctggaggagc ggcaggcgga gatggagggc gcagtgacga gcatccaggg cgagctgagc 420
aagctgggca aggcgcacgc accacgagca atacggtgag caagctgctg gagaaggtgc 480
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gcaaggtcag cgtcaacgtg aagaccgtgc gcggcagcct ggagcgccag gcggggcaga 540
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tctaccagga tgaagtgaag ctgcccggcca aactgagcat cagcaaactc ctgaaagagt 660
cggaggcgct gccagagaag gagggcgagc agctgggcga gggcgagcgg ccagggagga 720
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<210> 130

<211> 2149

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (787)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (819)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1518)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (2116)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (2147)
<223> n equals a,t,g, or c

<400> 130
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gccaggccaa attgagacat gtctgacaca agcgagagtg gtgcaggtct aactcgtctc 180
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cactatcaat caattgaagt tgacactctg cattaaatct atttgccatt tcaaaaaaaaa 2100
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<210> 131
<211> 1020

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (11)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1019)

<223> n equals a,t,g, or c

<400> 131

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ctaaaattgg gcaccctgcc cccaacttca aagccacagc tgttatgcca gatggtcagt 180
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ttaagaaact caactgcaa gtgattggtg cttctgtgga ttctcacttc tgtcatctag 360
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cagacccgaa gcgcaccatt gctcaggatt atggggctct aaaggctgat gaaggcatct 480
cgttcagggg cctttttatc attgatgata aggggtattct tcggcagatc actgtaaatg 540
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ctgacaaaca tggggaagtg tgcccagctg gctggaaacc tggcagtgat accatcaagc 660
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<210> 132

<211> 2319

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (10)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2246)

<223> n equals a,t,g, or c

<400> 132

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ttgggggtgg gggcgggcca gactcactg tttgttccc caggccagct ggaggatgac 120
ttgggaccgg cggctgatgc aggatgacaa ccggggccta ggccaagggc tcaaggacaa 180
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caagagaacc tgcaaccgtt tccgcctcct gctagagcgg cgaaccrtgg gcagtggagt 240
ccaagatagc cactctacca gctacccatc cctcctcagc cacctgacct ccatgtacct 300
gaacgccccg gcgctcgctc tgcctgtagc caggatgcag ctcccaggcc ctggctctgcg 360
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gtccagggtt gaggaggaca cctaccctc ggaggagacc gcactcatct tacaccgcaa 480
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gcattctaaa gagtcagacg ccacaggcat tcccattaaa gtcagaaaact agccaagggc 1980
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<210> 133

<211> 1373

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (403)

<223> n equals a,t,g, or c

<400> 133

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ggtcgttgga gtcaattccg cgtcaccagc tctgtgcct gccagtcggt gccctcccg 120
ctccagccat gctctccgcc ctgcgccgcg ctgcagcgc tgctctccgc cgcagcttca 180

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gcacctcggc ccagaacaat gctaaagtag ctgtgctagg ggcctctgga ggcatcgggc 240
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tcgcgccacac acccgagtg gccgcagatc tgagccacat cgagaccaaa gccgctgtga 360
aaggctacct cggacctgaa cagctgcctg actgcctgaa agnttgtgat gtggtagtta 420
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ttttattttt caaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaa 1373

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<210> 134

<211> 1657

<212> DNA

<213> Homo sapiens

<400> 134

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gtaaaacaga ccatcagtaa catttcagga tttaatgaaa cctgcttgag atggagaagc 180
atcaagacag ctgatatgga ggagatgtat ttattccaca ttggggcca gagatggtat 240
cagaaggaat ttgcccagga aatgaccttt aatatcagta gcagcagccg agatcccag 300
gtgtgcttgg acctacgtcc gggtagcaac tacaatgtca gtctccgggc tctgtcttcg 360
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tgctgtgtct gttaggcagc attgctttga tgcaatttct attgtcctat atattcaaaa 1560
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aaaaaaaaaa aaaaaaaaaa aaaaaaaaag ggcggcc 1657

<210> 135

<211> 2360

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1517)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2330)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2353)

<223> n equals a,t,g, or c

<400> 135

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gagacagtat tacacactgc tgaaccagc cccagacatg ctgcatagat tttatggaaa 240
gaactctct tatgtccatg ggggattgga ttcaaattga aagccagcag atgcagtcta 300
cggacagaaa gaaatccaca ggaagtgtat gtcacaaaac ttaccaact gccacaccaa 360
gattcgccat gttgatgctc atgccacgct aaatgatggt gtggtagtcc aggtgatggg 420
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ggtctttggt gggtttgtca ctgagcctca ggaggagtct gaagaagaag tagaggaacc 600
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tggagtggga arggggnttg cgccacggca gtgaatcttc atggatcttc atgcagccat 1560
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aactgttagt ttttttgaag tagttttttc cakgtttaat ttgtatttgg ttaaaaaaac 2280
maaaggcca aaaattcccc aaaccccg ttaaccacca grgscaaacn gttgtggcct 2340
tccaattaa cntgggatt 2360

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<210> 136

<211> 1042

<212> DNA

<213> Homo sapiens

<400> 136

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cccgccggcg ctgctgagtt tcttcactca caaccgcgc ttcgggccgc gcgaaggaca 180
ggaggaaaaat aagattttat ttatcatcc aaatgaggt gaaaagaatg agaagattag 240
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aagatttctt accggacct tgaacctcaa tgatccagat gcaaatgca gattcccaa 960
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agaaagaacc ccagtttaag tt 1042

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<210> 137

<211> 1037

<212> DNA

<213> Homo sapiens

<400> 137

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ggcaccggga gcggcgggtt ggtctacgct gtgcgcggcg gacgtcggag gcagcgggga 60
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ccggccggcg gaccgaagaa cgcaggaagg gggccggggg gacccgccc cggccggcg 180
cagccatgaa ctccaacgtg gagaacctac cccgcacat catccgctg gtgtacaag 240

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agggtgacgac actgaccgca gaccaccccg atggcatcaa ggtctttccc aacgaggagg 300
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tgttccgcat gaaactcctg ctggggaagg acttcctgc ctccccaccc aagggtact 420
tcctgaccaa gatcttcac ccgaacgtgg gcgccaatgg cgagatctgc gtcaacgtgc 480
tcaagaggga ctggacggct gagctgggca tccgacacgt actgctgacc atcaagtgcc 540
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gcggggccag cggcagggcc gaagccggtc gggccctggc cagtggcact gaagcttcct 720
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<210> 138

<211> 1490

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1225)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1239)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1348)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1452)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1487)

<223> n equals a,t,g, or c

<400> 138

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caagacagta aggattcaaa ccatttgcca aaaatgagtc taagtgcatt tactctcttc 120
ctggcattga ttggtggtac cagtggccag tactatgatt atgattttcc cctatcaatt 180
tatgggcaat catcaccaaa ctgtgcacca gaatgtaact gccctgaaag ctaccaagt 240
gcatgtact gtgatgagct gaaattgaaa agtgtaccaa tggcgctcc tggaatcaag 300

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III

tatctttacc ttaggaataa ccagattgac catattgatg aaaaggcctt tgagaatgta 360
actgatctgc agtggctcat tctagatcac aaccttctag aaaactccaa gataaaaggg 420
agagttttct ctaaattgaa acaactgaag aagctgcata taaaccacaa caacctgaca 480
gagtctgtgg gccacttcc caaatctctg gaggatctgc agcttactca taacaagatc 540
acaaagctgg gctcttttga aggattggta aacctgacct tcatccatct ccagcacaat 600
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gttgaggaa acagccagtt ttaaaatcct taaacttaag ttcctcaagc tggataaaac 1440
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<210> 139

<211> 1684

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (93)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (201)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1657)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1659)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1682)

<223> n equals a,t,g, or c

<400> 139

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gagctggggc ctcgcccctc cctcgggcgg tcacctgggc acgggcgctg cagggtgtcg 180
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cnac 1684
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<210> 140

<211> 427

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (395)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (417)

<223> n equals a,t,g, or c

<400> 140

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gcaggcagcc ctgggctggg ggtaggggac tccctacagg cacgcagccc tgagacctca 180
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accagccctg ctggcccctg gttccgctgg cccccagat gcctggctga gacacgccat 300
ggcccttcag ctggcccaca cytyttcccg gsccttgaa kttggcaytg cagcagacag 360
ytccytgggc accagrcagy taacaggaca cagcngccag cccaaacagc agcgggnatg 420
ggggcag 427

<210> 141

<211> 889

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (60)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (698)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (889)

<223> n equals a,t,g, or c

<400> 141

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ccgttgggga aggattgaat acagagacgc tgtctgcttg ctgccttaag acagctagct 180
gaattgctga ttaactttta aaatacccag cttgggttat ttttcttaga atctgttgct 240
aagactgggg acgctgtttt cttttacaaa gggaaatcta agttaatttc aaggcattcg 300
aaatggggaa agactattat tgcatttttg gaattgagaa aggagcttca gatgaagata 360
ttaaaaaaggc ttaccgaaaa caagccctca aatttcaccc ggacaagaac aaatctcctc 420
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<210> 142

<211> 1505

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1493)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1499)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1500)
<223> n equals a,t,g, or c

<400> 142
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acttcacgca gcaaaagcgc ccccggtcta tatcatatcg cctctcggtc ctctaaaaag 180
tcgtatgaga tggagctgga ggaggggaag gcaggcagcg gactccgcca atattatctg 240
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caggcacaga ggaacgaact aaatgctaaa gttcgcctat tgcgggagga gctacagctg 360
ctgcaggagc agggctccta tgtgggggaa gtagtccggg ccatggataa gaagaaagtg 420
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<210> 143
<211> 1235
<212> DNA
<213> Homo sapiens

<400> 143
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<210> 144

<211> 1420

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1385)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1396)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1400)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1410)

<223> n equals a,t,g, or c

<400> 144

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<210> 145

<211> 1919

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1882)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1898)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1919)

<223> n equals a,t,g, or c

<400> 145

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ggggagcggc tgggatggcg cgtccgggcc ccgskagtac aaagcgggag acctggtctt 180
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<210> 146

<211> 1379

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (925)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1371)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1377)

<223> n equals a,t,g, or c

<400> 146

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<210> 147

<211> 514

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (3)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (406)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (412)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (418)

<223> n equals a,t,g, or c

<400> 147

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gacgcgtggg cggacgcgtg ggcggacgcg tgggcggacg cgtgggcgga cgcgtgggcg 480
gacgcgtggg cggacgcgtg ggcggacgcg tggg 514
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<210> 148

<211> 2058

<212> DNA

<213> Homo sapiens

<400> 148

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<210> 149

<211> 1781

<212> DNA

<213> Homo sapiens

<400> 149

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caagggtcaca agaagaaatg aaaggaacaa tcagcagccc tgttcagaag gtggtttgaa 360
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<210> 150

<211> 1709

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1612)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1660)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1678)

<223> n equals a,t,g, or c

<400> 150

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<211> 922

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<220>

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<222> (922)

<223> n equals a,t,g, or c

<400> 151

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<210> 152

<211> 635

<212> DNA

<213> Homo sapiens

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<220>

<221> misc feature

<222> (594)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (614)

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<222> (616)

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<222> (628)

<223> n equals a,t,g, or c

<400> 152

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<211> 2328

<212> DNA

<213> Homo sapiens

<400> 153

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<213> Homo sapiens

<220>
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<222> (80)
<223> n equals a,t,g, or c

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<211> 4299
<212> DNA
<213> Homo sapiens

<220>
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<222> (2813)
<223> n equals a,t,g, or c

<400> 155
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<211> 1006

<212> DNA

<213> Homo sapiens

<400> 156

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<210> 157

<211> 1686

<212> DNA

<213> Homo sapiens

<400> 157

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<211> 4147

<212> DNA

<213> Homo sapiens

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<220>

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<221> misc feature

<222> (4145)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (4146)

<223> n equals a,t,g, or c

<400> 158

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<210> 159

<211> 1242

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1235)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1236)

<223> n equals a,t,g, or c

<400> 159

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gatcctgtct gcagtcacat ctttgtgggg cctgctgacc cacaagcttt tgttctctca 780
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ggcacaccct tcacggttgc taccagggcg gccaaagctcc agaccgtgcc agaccaggt 1080
gccccagtgc ctttgtctat attctgctcc cagcctgcc ggcccaggag gaaataaaca 1140
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<210> 160

<211> 2229

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (29)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (43)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (55)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (59)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (128)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (301)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2226)

<223> n equals a,t,g, or c

<400> 160

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gttgccctnag gctggtttcg gattcctggg ctcaagtgat cttccacac aggtttccca 180
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ncaatattat taaaatactc atttggaata gaattccata tgggttaacc agagtactgt 360
tgggatgggt gtggctatct gcacgtagca gatttcctgc ttttattcaa agmcaatatt 420
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<210> 161

<211> 1920

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (43)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (119)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1755)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1766)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1832)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1841)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1915)
<223> n equals a,t,g, or c

<400> 161
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<210> 162

<211> 2619

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (2546)

<223> n equals a,t,g, or c

<400> 162

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<210> 163

<211> 1419

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (230)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (624)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (697)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1187)

<223> n equals a,t,g, or c

<400> 163

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<211> 3810

<212> DNA

<213> Homo sapiens

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<221> misc feature

<222> (189)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2523)

<223> n equals a,t,g, or c

<400> 164

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<211> 817

<212> DNA

<213> Homo sapiens

<400> 165

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<211> 1578

<212> DNA

<213> Homo sapiens

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<222> (38)

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<210> 167

<211> 1694

<212> DNA

<213> Homo sapiens

<400> 167

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<210> 168

<211> 1636

<212> DNA

<213> Homo sapiens

<400> 168

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<210> 169

<211> 667

<212> DNA

<213> Homo sapiens

<400> 169

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<211> 3598

<212> DNA

<213> Homo sapiens

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<221> misc feature
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<220>
<221> misc feature
<222> (964)
<223> n equals a,t,g, or c

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<211> 2709

<212> DNA

<213> Homo sapiens

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<222> (2670)

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<211> 1013

<212> DNA

<213> Homo sapiens

<400> 174

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<211> 1697

<212> DNA

<213> Homo sapiens

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<211> 1409

<212> DNA

<213> Homo sapiens

<400> 176

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<211> 1503

<212> DNA

<213> Homo sapiens

<400> 177

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<213> Homo sapiens

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<223> n equals a,t,g, or c

<400> 178
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actttattct tctggtgagc tccctgaata tttatttttc tgattataaa tttctatat 180
tagtagcatt ttttaattat tacttcttca ctatagagca tttactttta gtctctagat 240
gtatattttg gaatgctrta cttggcataa catagattaa aatcataatg catgactaaa 300
aactccttgg atttatttcc cattttaaaa tttttagcgg taagttcaga tttataatct 360
ttctctagac ttccatggtc tgaatgttgc ctgctgaagt agcaacctaa aaagtatccc 420
ctgcttatgc ttctccagtt ggccctccat gtccataggc ttgcgcatctg tgattcagcc 480
cactgtgggt caaaaatatt tggggaaaaa aatggatggg tgcgcctttg ctgaacatgt 540
acaaaactttt ttttgtcatt aaacaatata gtataacaac tatttacaaa gcatttacat 600
tgtattagct attataggta atctagagat gatttaaagt gtatggtagg atgtgcacag 660
gttatatgca aatactacac cattttctat aagggaactg aacatcatgg actttagtag 720
cctaggggggt tcttgggaacc catcaccat aggggaccca taggacaact atagtaccgt 780
gtttatttcc tattaattca ggttccggtt agagtctaaa actaaaacct aatcatttag 840
tcacagtgtg aaaacaaatg gaaataacag ctcaaactct caaaatatta ctatagcatt 900
atgtttaaaa taatctacaa caaaaatgta ccattttcaa gcagtactac attaggagcc 960
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acatttgtgt ggcatttgga gtttgtcatc ccattgaag ggagagcctt ctcagacatg 1080
aagcaaggga aacatactga atagttttac acaaatttga tctggcttcc atttgtcccc 1140
ctcatttccc aaatgtttaa atgtattgga tttggattct caatgtataa gttgccttat 1200
ctgttaaatgt ctatctctg tctctttaat tttgtatatc tgctgttttg cttttggata 1260
cattttctaa ttagaagtca catgataaat ataatcagta tagtaataat accataatgt 1320
gcacatactc aataaataaa tgactgcatt gttgtaaaaa aaaaaaaaaa aaaaaaaaaa 1378

<210> 179
<211> 2251
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (2020)
<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2050)

<223> n equals a,t,g, or c

<400> 179

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ctcccgccgc cccttcaccc cgacctggcc gcggagccgc gagcgtgaag ccgccgcctt 180
ccgggaaagt cttaatagac atcgatactt gaattcttta tttcccagtg aaaactccac 240
cgccttctat ggaataaatc agttttccta ttgttttcct gaagagtta aagccattta 300
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caatgtgtct ttgccgttaa gatttgactg gagggacaag caggttgtga cacaagtga 420
aaaccagcag atgtgtggag gatgctgggc cttcagcgtg gtgggggcag tggaaatctgc 480
ttatgcaata aaggggaagc ccctggaaga cctaagtgtc cagcaggtca ttgactgttc 540
gtataataat tatggctgca atggaggctc tactctcaat gctttgaact ggttaaacia 600
gatgcaagta aaactggtga aagattcaga atatcctttt aaagcaciaa atggtctgtg 660
ccattacttt tctggttcac attctggatt ttcaatcaaa ggttattctg catatgactt 720
cagtgaacaa gaagatgaaa tggcaaaagc acttcttacc ttggccctt tggtagtcat 780
agtagatgca gtgagctggc aagattatct gggaggcatt atacagcatc actgctctag 840
tggagaagca aatcatgcag ttctcataac tgggtttgat aaaacaggaa gcaactcata 900
ttggattgtg cggaattcct ggggaagttc ttggggagta gatggttatg cccatgtcaa 960
aatgggaagt aatgtttgtg gtattgcaga ttccgtttct tctatatttg tgtgacatgt 1020
tgggcagatc aagagacagc tacaaaaatg aaggttttca taatgcaatg taacatagta 1080
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cagtgggaca aactccagca cagaagcctg cgagggaagc tatggaatag tttcctgtcc 1260
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aagaggtcat aagaatttat ttcttttgtt ggggtgtaac tactagcttt agattacccc 1440
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cgcttcagtt aaactgaaat taaatgaaca ataaggcaac tatataagta acttctagta 1680
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atcatattgc ttactttgtt ctttttatac tatagaataa tattttgttc tctagtatat 1800
caaaatacca aaatattatc tcataatttc tccctcttcc tcttactctt taccagttt 1860
tcctggtggc ttggcttccc tgactaaaga attaatgtct atttttactt tccatktcta 1920
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gttcagactn gtcagttccg cagcttctgc tcaactgatg cttggacctg cgtcctgacg 2100
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ctcagaaaac tgtaggcag agtctttacc aatcgagaat tgggactaga ctagtagacc 2220
tagtcgcttt cggtagcctg tccgtacgtt t 2251
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<210> 180

<211> 1000

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (20)

<223> n equals a,t,g, or c

<400> 180

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gggatctcac cgtgggtccg attagccttt tctctgcctt gcttgcttga gcttcagcgg 180
aattcgaaat ggctggcggg aaggctggaa aggactccgg aaaggccaag acaaaggcgg 240
tttcccgcgc gcagagagcc ggcttgcagt tcccagtggt ccgtattcat cgacacctaa 300
aatctaggac gaccagtcac ggacgtgtgg gcgcgactgc cgctgtgtac agcgcagcca 360
tcctggagta cctcaccgca gaggtacttg aactggcagg aaatgcatca aaagacttaa 420
aggtaaagcg tattaccctt cgtcacttgc aacttgctat tcgtggagat gaagaattgg 480
attctctcat caaggctaca attgctgtgt gtggtgtcat tccacacatc cacaatctc 540
tgattgggaa gaaaggacaa cagaagactg tctaaaggat gcctggattc cttgttatct 600
caggactcta aatactctaa cagctgtcca gtgttggtga ttccagtggg ctgtatctct 660
gtgaaaaaca caattttgcc tttttgtaat tctatttgag caagttggaa gtttaattag 720
ctttccaacc aaccaaattt ctgcattcga gtcttaacca tatttaagtg ttactgtggc 780
ttcaagaag ctattgattc tgaagtagtg ggttttgatt gagttgactg tttttaaaaa 840
actgtttgga ttttaattgt gatgcagaag ttatagtaac aaacatttgg ttttgtacag 900
acattatttc cactctggtg gataagttca ataaagggtc tatcccaaaa aaaaaaaaaa 960
aaaaaaaaaa aaaaaaaaaa maaaaaaggg gggggccccc 1000
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<210> 181

<211> 1429

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (761)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1407)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1420)

<223> n equals a,t,g, or c

<400> 181

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actgggactc ccagcagagc ccaccagcca gccctggccc acccccagc ctccagagaa 60
gccccgcacg ggctgtctgg gtgtccgcca tccaggggtc gccagagcct ctgagatgat 120
gcatgatgcc ctcccctcag cgcaggctgc agagcccgcc ccacacctcc tgcgcccttg 180
aggggccccg gcgtctgcag ggtgacgcct garacagcac cactgctgag gagtgaggac 240
tgtcctccca cagacctgca gtgaggggcc ctccatgcgc agatgagggg ccaactgacc 300
acctgcgctt ctgctggagg aggggaagct gggcccaaag gccmgsgrag gcagcgtggg 360
ctctgccaat gtgggctgcc cctcgcacac agggctcaca ggcaggcct tgctgggggc 420
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cagggctgtt ggaggacccc gagggctgag gagcagcagg accgcctgc tcccatcctc 480
accagatca ggaaccaggg cctccctgtt cacggtgaca caggtcaggg ctccagagtga 540
ccctcrgctg tcacctgctc acagggatgc tgggtggctgg tgagaccccg cactgcasac 600
gggaatgcct aggtcccttc ccgaccacgc cagctgcagg gcacggggac ctggatagtt 660
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ggaaacctaa aaaaaaaaaa aaaaaanggg ggccctctan aggttccaa 1429

<210> 182

<211> 2725

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (2713)

<223> n equals a,t,g, or c

<400> 182

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aggaagacac tcccaattct gtttgggagc ctgcgaagggt gcttgtgttt gtcagacaaa 120
tacagccagg cctgccaccc cttaggctcc aaagtccgga ggtgcagaaa gccaggacca 180
agagacaggc agctcaccag ggtggacaaa tcgccagaga tgtggtgcat tgtcctgttt 240
tcaacttttg catgggttta tgcctgagct accatgtatg gggagatcct gtcccctaac 300
tatcctcagg catatcccag tgaggtagag aaatcttggg acatagaagt tcctgaaggg 360
tatgggattc acctctactt caccatctg gacattgagc tgtcagagaa ctgtgcgtat 420
gactcagtgc agataatctc aggagacact gaagaaggga ggctctgtgg acagaggagc 480
agtaacaatc cccactctcc aattgtggaa gagttccaag tccatacaa caaactccag 540
gtgatcttta agtcagactt ttccaatgaa gagcgtttta cgggggttgc tgcatactat 600
gttgccacag acataaatga atgcacagat tttgtagatg tccctttag ccacttctgc 660
aacaatttca ttggtggtta cttctgctcc tgcccccccg aatatttcct ccattgatgac 720
atgaagaatt cgggagttta ttgcagtggg gatgtattca ctgcactgat tggggagatt 780
gcaagtccca attatcccaa accatatcca gagaactcaa ggtgtgaata ccagatccgg 840
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agtaattcca aactgaaatg tcaacctgtg gactgtggca ttccatgaatc cattgagaat 1320

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gtaagaact atgttgactg gataatgaag actatgcagg aaaatagcac ccccgtgag 2280
gactaatcca gatacatccc accagcctct ccaagggtgg tgaccaatgc attaccttct 2340
gttccttatg atattctcat tatttcatca tgactgaaag aagacacgag cgaatgattt 2400
aaatagaact tgattgttga gacgccttgc tagaggtaga gtttgatcat agaattgtgc 2460
tggtcataca tttgtggtct gactccttgg ggtcctttcc ccggagtacc tattgtagat 2520
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tttctctttt acctgttcaa aattccattt acttgatcat tctcagtatc cactgtctat 2640
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aaaaaaaaa aaaaaaaaaa aaaag 2725
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<210> 183

<211> 1751

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (344)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (416)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1617)

<223> n equals a,t,g, or c

<400> 183

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ggcatgttgt tgggactggc ggccatggag ctgaagggtgt gggtggtatg catccagcgt 120
gtggtctgtg gggctcaga gcagaccacc tgccaggaag tggatcatgc actagcccaa 180
gcaataggcc agactggccg ctttgtgctt gtgcagcggc ttccggagaa ggagcggcag 240
ttgtgcacac aagagtgtcc agtgggcgcc caggccacct gcggacagtt tgccagcgt 300
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gtccagtttg tcctgaggcg cacagggccc agcctagctg ggangccctc ctacagacagc 360
tgtccacccc cggaacgctg cctaattcgt gccagcctcc ctgtaaagcc acgggntgcg 420
ctgggctgtg agccccgcaa aacactgacc cccgagccag cccccagcct ctacagccct 480
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cctggagaag catggggcgt agccagctcg gaacttgcca ggccccaag gccacgactg 1560
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aaaaaaaaa a 1751
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<210> 184

<211> 2200

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (2096)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2140)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2157)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2181)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (2184)
<223> n equals a,t,g, or c

<400> 184
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ccactactgc ttccccgaaa cagacaaata tatgagcaca acgaagctgc cctattcatg 180
gaccacagcg ggaatgctgtg gatgcttcct ttgacctgc ggatcccttt tgcaagatat 240
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cgcaagttag atcgatttca tcccaaagaa cttctggagt gtgcatttga tattgtcact 360
tctaccacca acagctttct gccactgct gaaattatct acactatcta tgaaatcatc 420
caagagtttc cagcacttca ggaagaaat tacagtattt atttgaacca taccatgtta 480
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aatctgtctt tgtcttctaa tagtctgtgt cgactctaca agtttattga acagaaggga 660
gatttgcaag atcttatgcc aacaataaat tcattaataa aacagaaaac aggtattgca 720
cagttggtga agtatggctt aaaagacctt gaggaggttg ttggactgtt gaagaaactc 780
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catcagaaaa gcagtgaat tgaaattctg gctgtggatc taccacaaaga aacaatatta 1620
cagtttttat cattagagtg ggatgctgat gaacaggcat ttaacacaa tggtgaagcag 1680
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<210> 185
<211> 1987
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature

<222> (523)

<223> n equals a,t,g, or c

<400> 185

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ggaaatatga ctttgattct tcggaggtgc ttcagggact ggactttttt ggaaacaaga 180
agtctgtccc aggtgtgtgt ggagcatcac aaacacatca gaagcccaa aatggagaga 240
aaaaagaaga gagcctaact gaaaggaaga gggagcagag caagaaaaa aggaagacga 300
tgacttcaga aattgcttcc caagaagaag gtgctactat acagtggatg tcatctgtag 360
aagcaaagat tgaagacaaa aaagttcaga gagaaagtaa actaacttcc ggaaagttgg 420
agaatctcag aaaagaaaag ataaacttct tgcggaataa acacaaaatt cactccaag 480
gaaccgatct tcctgaccca attgctacat ttcagcaact tgnaccagga atataaaatc 540
aattctcgac tacttcagaa cattctagat gcaggtttcc aaatgcctac gccaatccaa 600
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gtagctcttg aagacaaaag ttaaaaacag actttaaaaa tactgtccca gaaatgtaat 1860
tttatgatcc cagcatgaat gttatttcca ttggaatactt gaagtcttac agtcacctgt 1920
accaaacatt tgaaatcaac tacaagtaca tgggactggg gataaatgat cctaaactat 1980
caagtca 1987
```

<210> 186

<211> 1737

<212> DNA

<213> Homo sapiens

<400> 186

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ggatgatatg tgggcaaaat cacttatgaa agtagaagca agaatacagt ggtttgctac 180
cacataaagc catgctgttt ttggtcaaac tgtgtaaact ggaaaaattc acatcatttc 240
tgagtttaat cacttttagga tatattcaca ttgttttggg gaatttgctg aattgaattg 300
ttttcttttc tcaaatctgt gatctctttt ctttatcctg tttctttgtt cctttcgttt 360
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ggaggctggc tagtagtggt tgagaaaaga atagaagtga aatttgcata atgaatgtaa 480
aagggaaata aaagtctttt gaaggtagct atactagcac ttttgatcat cttcagggcc 540
cacaaaaatg ttgtcaagat tttaaagggt tataattctg ctttaagctct agtttggact 600
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tgaattacac atttattatc ttctatcatt ttgaaacact gcagtttacc atgggacact 1620
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<210> 187

<211> 1132

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1131)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1132)

<223> n equals a,t,g, or c

<400> 187

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<210> 188

<211> 1267

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (12)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (25)

<223> n equals a,t,g, or c

<400> 188

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tggaacggcag ctatgcgact caccgtgctg tgtgctgtgt gcctgctgcc tggcagcctg 180
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cgcgcatag aaataatgca gaagcccaga tgtggagtgc cagatgttgc agaatactca 420
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ggcaaaagaga tccccctgca tttcaggaaa gttgtatggg gaactgctga catcatgatt 600
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gctcatgcct ttgcgcctgg gacaggcttc ggaggagatg ctcacttcga tgaggatgaa 720
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<210> 189

<211> 3787

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (22)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (155)

<223> n equals a,t,g, or c

<400> 189

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ggtcggcctg gaagcagcca agacggaaaa gcaantgtgt gagcccgaaa acccatgcaa 180
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catgtgcagt agagatgcag ttctcatcaa gaacaaacat ccttgcaaat ggggtgtgacg 2460
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aaatatattt ttatgtgttc acatggtcaa aatttcacca ctgaaacctt gcacttagct 3720
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aaaaaaa 3787
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<210> 190

<211> 554

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (520)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (542)

<223> n equals a,t,g, or c

<400> 190

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gttgatcagt acagaaaaca aattgtataa caggattata aaaaaactaa acctatttta 180
cgagcaacca aattaaaagc agaagcaaaag aaaacagcaa taggcataaa ggaagttggc 240
cttgactttg cagctatatt ggcactacta ctggctttct atgctttctt ttatctcaga 300
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aactgtaaca tctttaattm tttctgctaa tattttcagt ttgcagacat atgatttttg 480
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atagttgcat aggatgtcag gaaaagaacc ttacctagcn atgcagtata gtatgtgcta 540
cngggatact tghta 554

<210> 191

<211> 874

<212> DNA

<213> Homo sapiens

<400> 191

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gaagttgggt ttaggacagc aggtgtgtt ccgagactca gtcctaaagg gtttttttc 780
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<210> 192

<211> 2103

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (140)

<223> n equals a,t,g, or c

<400> 192

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gttggtgtct tcatgggcag aaataggttg taaagggtgc caactctcca ggtgagagag 120
agttttgtag caggactttn gggtgtaaat cgactattac caacctactg gtgggtgaga 180
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<210> 193

<211> 1317

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1314)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1315)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1316)

<223> n equals a,t,g, or c

<400> 193

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<210> 194

<211> 1252

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1231)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1240)

<223> n equals a,t,g, or c

<400> 194

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<210> 195

<211> 1688

<212> DNA

<213> Homo sapiens

<400> 195

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cagctggatg caccatccc caatgcaccc cctgcgcgct ggacgcaaaa gccaaggaa 180
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aaaaaaaa 1688

<210> 196

<211> 756

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (756)

<223> n equals a,t,g, or c

<400> 196

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acagctggga caaggatgtg taccctgagc ccccgcgccg cagccgggtg cagcccaatc 180
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gagaatttat agagcgcgag cagcgaaga acaggtatta ctactaccac cggcagtagc 300
gccgcgtgcc agacatcact gagtgcagg aggaggacat catgtgcatg tatgaagccg 360
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aaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaattn 756

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<210> 197

<211> 1471

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (458)

<223> n equals a,t,g, or c

<400> 197

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acaccctctg actcagcaga tccaaacgcc atcgatacgg actattaccc tggaggctac 180
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aaattattaa taaaataaaa aaaaaaaaaa a 1471

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<210> 198

<211> 692

<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (43)
<223> n equals a,t,g, or c

<400> 198
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agtgcgggctt gctcttggaa gttcaggctc ggttgtcttt tgggagccat ggagagtgac 120
ttttatctgc gttactacgt ggggcacaag ggcaagtctg gccacgagtt cctggagttt 180
gagtttcgac cggacgggaa gttaagatat gccacaaca gcaattacaa gaatgatgtc 240
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aaatccaatt tttattattt tataaagacc tg 692

<210> 199
<211> 1573
<212> DNA
<213> Homo sapiens

<400> 199
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aaaaaaaaaa aaa                                     1573
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<210> 200

<211> 2742

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (26)

<223> n equals a,t,g, or c

<400> 200

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aaataaatcc tgattcagct cagccttaca agtggcgagg gaaagcacac agacttctag 240
gccactggga agaagcagcc catgatcttg cccttgccctg taaattggat tatgatgaag 300
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<210> 201

<211> 1417

<212> DNA

<213> Homo sapiens

<400> 201

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aatgtcatag gtatgcataa gatgactcca ccaattaaag atctgctgcc tagactcacc 180
cccatcttaa agaacagaca tgaaaaagta caagagaatt gtattgatct tgttggtcgt 240
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<210> 202

<211> 1512

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (855)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1512)

<223> n equals a,t,g, or c

<400> 202

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<211> 419

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (384)

<223> n equals a,t,g, or c

<400> 203

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<210> 204

<211> 2833

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<213> Homo sapiens

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<221> misc feature

<222> (2822)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2831)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2832)

<223> n equals a,t,g, or c

<400> 204

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<211> 5830

<212> DNA

<213> Homo sapiens

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<221> misc feature

<222> (5584)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (5585)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (5821)

<223> n equals a,t,g, or c

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<211> 755

<212> DNA

<213> Homo sapiens

<220>

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<222> (368)

<223> n equals a,t,g, or c

<400> 206

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<211> 1996

<212> DNA

<213> Homo sapiens

<400> 207

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aaaaaaaaaa ctcgag                                     1996
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<210> 208

<211> 1668

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1505)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1565)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1598)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1620)

<223> n equals a,t,g, or c

<400> 208

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<210> 209

<211> 2250

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (23)

<223> n equals a,t,g, or c

<400> 209

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ggaccctcgc gtcgtcgccg ccgcccgcgc ccagatcccc gcaccatgcc gtcggagaag 180
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cagcatccaa ccaaaatccc ggtgataata gaacgataca aggggtgagaa gcagcttcct 300
gttctggata aaacaaagtt ccttgtagct gaccatgtca acatgagtga gtcacatcaag 360
ataattagaa ggcgcttaca gctcaatgct aatcaggcct tcttcctgtt ggtgaacgga 420
cacagcatgg tcagcgtctc cacaccaatc tcagaggtgt atgagagtga gaaagatgaa 480
gatggattcc tgtacatggt ctatgcctcc caggagacgt tcgggatgaa attgtcagt 540
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tcagtattac tgaagagta cccacatttt gaatagtagt tatcactctt aggtcagaca 1560
gccatcagaa ttctcccaca ccaagtgcac gtcagttgtg gagaaaaacat agcaaaaaga 1620

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gccgtacgct ctttacagat actaatgtca agagttaaac ctccctcaggt tcaacctgtg 1680
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acccttgtgt gtttagatgt gtatgaaata cctgtatacg ttagtgaaag ctgtttactg 1860
taacggggaa aaccagattc tttgcatctg ggccctctac tgattgttaa aggagttcct 1920
gtcacctgct cccccacccc ccgcatgcgt ctgtccactt ggctaacttt taatatgtgt 1980
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gaaaaaaaaa aacatgctga ggggtgacct atatcccatg tgagtgggtca ctttatttat 2160
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aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa

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<210> 210

<211> 838

<212> DNA

<213> Homo sapiens

<400> 210

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ctggggcgccg ctctccgccc ctgctgtgtg gccgcaacca cccgggccga ccctcgaggc 180
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aagccagata tagatgcctg ggaattgcgt aaagggataa acacacttgt tacctatgat 360
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ttgacattgc tacttgagtg tgaacagtta cctggaaata ctgatgataa catattacct 660
tatttgaaca agttttcctt tattgagtac caagccatgt aatggtaact tggactttta 720
taaaagggaa atgagtttga actgaaaaaa aaaaaaaaaa aaactcatac agactgaagc 780
gcggtgatta aataatgaaa gagttcgacg cggccgggaa tttaggaggt aaatatcc 838

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<210> 211

<211> 1213

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1206)

<223> n equals a,t,g, or c

<400> 211

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gaaccgcgtt cgggcctcag agcgtctggt gagatgctgt tgcgctgct gctgctgcta 180
cccatgtgct gggccgtgga ggtcaagagg ccccggggag tctccctcac caatcatcac 240
ttctacgatg agtccaagcc ttccacctgc ctggacggtt cgccaccat cccatttgat 300
caggccaacg atgactattg cgactgcaaa gatggctctg acgagccagg caccgctgcc 360
tgtcctaatt gcagcttcca ctgcaccaac actggctata agcccctgta tatccctccc 420

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```
aacccgggtca acgatggtgt ttgtgactgc tgcgatggaa cagacgagta caacagcggc 480
gtcatctgtg agaacacctg caaagagaag ggccgtaagg agagagagtc cctgcagcag 540
atggccgagg tcacccgcga agggttccgt ctgaagaaga tccttattga ggactggaag 600
aaggcacggg aggagaagca gaaaaagctc attgagctac aggctgggaa gaagtctctg 660
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ccagccctgt cctgcccacc cctcctagtg gggactagtg aatgacttga cctgtgacct 1140
caatacaata aatgtgatcc cccacccaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 1200
aaaaanaaaa aaa 1213
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<210> 212

<211> 969

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (922)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (955)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (958)

<223> n equals a,t,g, or c

<400> 212

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gttgatgta aaagctaagg aaaccttttc ttttggaaga tcagtataaa catgctgctt 180
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gtgttgctga agttttcgcc cttggattgc tggggtgata ttggtgacaa actctgtagg 360
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tgacttgatt tgttataagt ttggaagggt atagtttggg cacattcttc attgatcaca 480
cttttaggga ttcttgaaga aaagggaagc aaaacatata cacacacccc caccatct 540
aacagcgtat tcaagcagat tccacgaatc ctccggccag gtttaataa ggcaggaaa 600
ttcccttccc tgctcacaca caacgaaaac atggtggcca aagtggatga ggtgaagtcc 660
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ctcaagaaaa actggcagaa tgtccgggcc ttatatatca agagcaccat gggcaagccc 840
cagcgccat attaaggcac atttgaataa attctattac cagttaaaaa aaaaaaaaaa 900
```

aaaaaaaaa aaaaaaaaaa anaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaanccncg 960
ggggggggg 969

<210> 213

<211> 1694

<212> DNA

<213> Homo sapiens

<400> 213

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gcgatggcca aggtgtcggg gctgaacgtg gcggctcctg agaaccgag ccctttccac 180
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aaccatccc tcattcccaga gactgatgcc gtgggtgtga ctgtggtcct catcacctgc 420
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cctgagctgc gtgagaacct gcccatgaag ccagatttct cccagctcca gcggaacatc 540
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cctatcaagg gcttggggct ccctggctgc atccctggcc tcctccctga gaactccatg 720
gactgcatct aactgcagga acccagagtg tcccagcacg ccgggagggg caaccaggcc 780
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aaaaaaaaa aaaa 1694

<210> 214

<211> 1210

<212> DNA

<213> Homo sapiens

<400> 214

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tggttaccat tatccccaac ttcagtctgg acaagatcta cctcatcggg ggggacctgg 180
ggccttttaa ccctggttta ccctggaag tgcctctgtg gctggcgatt aacctgaaac 240
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aacttacgaa gctcctgtta aatcatgctt cagacaacat cccgaaggca gacgaaatcc 420
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<210> 215

<211> 1776

<212> DNA

<213> Homo sapiens

<400> 215

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agaaattaaa atattttaaa taagaaaaaa aaaaaa

1776

<210> 216

<211> 1418

<212> DNA

<213> Homo sapiens

<400> 216

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<210> 217

<211> 2200

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (2188)

<223> n equals a,t,g, or c

<400> 217

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<210> 218

<211> 1853

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (890)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1794)

<223> n equals a,t,g, or c

<400> 218

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tggtgggcgc cgtgaagagc cttcaggcgc tggcgagggt catcgaggct gaacttcggt 180
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gcccccaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaa 1853
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<210> 219

<211> 1093

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1090)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1091)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1092)

<223> n equals a,t,g, or c

<400> 219

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cgagtatggc gccagcccg agcaggttgc agacaatggc gatgaccact cagaaggagg 180
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ccggaagccc ctcaagtcgg gtatgaagga gctggccgtg ttccgggaga aggtcactga 300
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gatctccacc atgcgccttc cggatgagcg gggccctctg gaggaccctt actccctgca 480
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<210> 220

<211> 2155

<212> DNA

<213> Homo sapiens

<400> 220

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<210> 221

<211> 1264

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (4)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (5)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (7)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (17)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (22)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (125)

<223> n equals a,t,g, or c

<400> 221

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<210> 222

<211> 2085

<212> DNA

<213> Homo sapiens

<400> 222

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<210> 223

<211> 2921

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1609)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2919)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2920)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2921)

<223> n equals a,t,g, or c

<400> 223

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<400> 224

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<211> 3035

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<220>

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<222> (2959)

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<211> 1511

<212> DNA

<213> Homo sapiens

<400> 226

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<213> Homo sapiens

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gttccccaat cccccctnt

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<210> 228

<211> 2346

<212> DNA

<213> Homo sapiens

<400> 228

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aaaaaa 2346

<210> 229

<211> 2246

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (2235)

<223> n equals a,t,g, or c

<400> 229

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<210> 230

<211> 2002

<212> DNA

<213> Homo sapiens

<400> 230

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aaaaaaaaaa aaaaaaaaaa aa                                     2002
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<210> 231

<211> 994

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (394)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (853)

<223> n equals a,t,g, or c

<400> 231

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tttgttcgta cacctgaaag tgttcacgca agtnattcat caagtgactc atcttttgaa 420
ccaataccat tgactataaa agctattttt gaaagattca agaacaggaa aaagagatat 480
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gacagtcgta gatacaaat tttggatgat gatggatcca tttctcctat tgaggagtca 840
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aattgcttca tattttgcct ttaatatagt tatacttaaa taatgaacaa agatacagag 960
tatgacaatt gggattatta cagttgagcc aagc                                     994
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<210> 232

<211> 486

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature
<222> (49)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (440)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (485)
<223> n equals a,t,g, or c

<400> 232
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ggcgrgggt ctggstgckg cayggttctg ggggctgctg ctgatccaga tcctgatgct 420
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gaagnc 486

<210> 233
<211> 2081
<212> DNA
<213> Homo sapiens

<400> 233
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<210> 234

<211> 516

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (490)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (498)

<223> n equals a,t,g, or c

<400> 234

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<210> 235

<211> 1129

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (807)

<223> n equals a,t,g, or c

<400> 235
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gagaggagg gacagaccag atcttttgag agctgagggt tgagggcatt gagccaacac 180
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<210> 236

<211> 1045

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (973)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1001)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1014)

<223> n equals a,t,g, or c

<400> 236

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tggacaaaac tccgagtctt aggaatgacg atgcctactg tggggtagtg ccatagttgg 960
gcttttctcc ttncacgttg atatgtatag tcgctttggg nctgccagtt cttntacttg 1020
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<210> 237

<211> 690

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (666)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (678)

<223> n equals a,t,g, or c

<400> 237

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cggcactggc ctttgacctc tccaaggtag caggcccaga ggcagccccc aggctgyggg 180
cgctgacact gggcctggca aaacgcgtgt ggagcctgga ggcgcgactg gcagctgcag 240
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cagaccaga tccccagaga ggtggccctg gacctggagt caggaggcgg tgtccaggag 360
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aaaaaaaaa aaaaaaaaaa agtttttttt aattttaagg cgggcccagg ttttttttcc 660
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<210> 238

<211> 1873

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (568)

<223> n equals a,t,g, or c

<400> 238

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ggaagctggg gaggccgggg agaggttatt acgacctatt gccctgctaa caacgagcca 240
atagcaagag tccgacaggc cagtgtggca gactatgaag aaactgtaaa gaaagcaaga 300
gaagcatgga aaatctgggc agatattcct gctccaaaac gaggagaaat agtaagacag 360
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gggaaaatct tagtggaagg tgtgggtgaa gttcargagt atgtggatat ctgtgactat 480
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cagtactaa tccccctatg accccaaagc cctgattaaa tcaagagatt ccttttttaa 1800
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tttattatgg tca 1873
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<210> 239

<211> 905

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (873)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (874)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (897)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (898)

<223> n equals a,t,g, or c

<400> 239

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gaccacagcag ggcgcggcgc tgcagaacta caacaacgag ctggtcaagt gcatagagga 120
gctgtgccag aagcgggagg agctgtgccg gcagatccag gaggaggagg acgagaagca 180
gcgctgcag aatgaggtga ggcagctgac agagaagctg gcccgcgtca acgagaacct 240
ggcacgcaag attgcctctc gcaacgagtt cgaccggacc atcgcggaga cggaggccgc 300
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ggaggacagg ggttctcctt caccacagaa cccaaacctc aggtctcacc cctgtggcct 840
gtgattatga ataagatta tctttgtaaa gannaaaaaa aaaaaaaaaa aaaaccnngg 900
ggggg                                           905
```

<210> 240

<211> 1484

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1457)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1471)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1480)

<223> n equals a,t,g, or c

<400> 240

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agatatacaa atatacagat atacaaataa ggggtgaagat ggagggaatc tgataaagac 180
atcttataaa ttcaacagac acaaaagaat ttgatctccc ataagcaact gtgaaattac 240
aataacagat cctgggaagt tctacaattc taattcagtt ttttcaaggg ggaacatggc 300
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aaaggtgttc agtttcatcc ttgttaccac cgctctgaya atgggcaggg aaatttcggc 360
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ccgggtcaaaa cagcaacagg tcaagatcaa gcagcttttg caggagaatg aagtcagatt 480
ccttgataaaa ggagatgaga atactgtcgt tgatcttga agcaagaggc agtatgcaga 540
ttgttcagag attttcaatg atgggtataa gctcagtgga ttttcaaaa tcaaacctct 600
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aattcagaga cgtatgtatg gcagtgaaaa cttaacaga ggatggaaa actatgaaaa 720
tggctttgga aattttgtcc aaaaacatgg tgaatattgg ctgggcaata aaaatcttca 780
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tcatgataac tgtgtgagt agtgcctttc attctcttca ctgtcctttg ttacttaatg 1380
tgctttcagt acagcagata tgcaatatcc accaaataaa tgtagactgt gtttaawaaa 1440
aaacaacaaa tatgaanaaa aaaaaaaaaa nggggggctn tttt 1484

<210> 241

<211> 1521

<212> DNA

<213> Homo sapiens

<400> 241

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ggtttgtgtg tttctgtttt gtttctctcc ccctgcaggg ctgtttkcg ggtgggggtg 180
gggggttcgct atgtcggatg acgattcgag ggccagcacc agctcctcct catcttcgtc 240
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catgagcaaa aactccaaac tcctctccac cagcgccaag agaattcaga aggagctggc 360
ggacatcact ttgaccctc cacctaattg cagtgtgtgt cccaaaggcg ataacatcta 420
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aagaatctat cattgtaata ttaacagtca aggtgttatt tgcttggaac tattgaaaga 600
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tttcttttgc cttttggttg c 1521
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<210> 242

<211> 1144

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1093)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1105)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1106)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1139)

<223> n equals a,t,g, or c

<400> 242

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tcccagagga gcaggaatta gaagcttatg tagatgatat agatattgat agtgatttca 180
gaaaggatga tttttattac ttgtctcaag aagacaaaaga gagacagaag cgtgagcatg 240
aagaatccaa gaggggtgctc caagaattaa aatctgtgct gggattttaa gcttcagagg 300
cagaaaggca gaagtggaaag caacttctat ttagtgatca tgtgtttctt catatagctt 360
taaaattatg ctattgacat tatgggaaag atttatcaat gagagaaaatg tgtctctttt 420
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aaatccgcca caacagacaa tgaataaagt aggactgagt atttatgtga aaactctcta 600
gaaggtaaaa ataaagataa ttcttcaaat gaagtcttcc cccaaggagc agaagaaaga 660
atgtgttacc aatgtgagag tgaagatgaa ccacaagcag atggaagtgg tctgaccact 720
gccctccaa ctcccaggga ctctattacag ccctccatta agcagaggct ggcacggcta 780
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gaagaaaata aaatagatat agaagaaaag taagaaccaa gattcatatg aagtgatatt 960
agattgttcc ttttcaaaa gtgtttagct tcaagactgg aaagggaata tgagtgttaag 1020
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cccg 1144
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<210> 243

<211> 934
<212> DNA
<213> Homo sapiens

<400> 243
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cccgaacacc atcatgtgga gacatttgca attttcctcc taaaattgcc catgggcatt 180
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agtgtctccc aaaccagag gatgtgaaaa tggccctgga ggtatataag ctgtctctgg 600
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tataattttt ctcaaaagaa ggaggaaaag gtgtcttctt ggcttgccct ttgcaattca 720
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aatgtatgta taaaaaaaaa aaaaaaaaaa tcga 934

<210> 244
<211> 915
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (210)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (243)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (244)
<223> n equals a,t,g, or c

<400> 244
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<210> 245

<211> 1276

<212> DNA

<213> Homo sapiens

<400> 245

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tgcatgtggt agaatttaat ccctttgaga atggggattc aggaaacctt attgcatatg 240
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aaggcattca gtataaaaca cttcgaacat ttcaccatgg agtcagggtt gatggcatag 360
cttgaggccc agagactaga cttgattcat tgcctccagt aatcaaat tgtacttcag 420
ctgctgatat gaaaattaga ttatttactt cagatcttca ggataaaaat gaatataagg 480
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cagctcattt tgttcttcat tctcctggca tgagtgtgtg ctggcatcct gaggagactt 660
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<210> 246

<211> 3366

<212> DNA

<213> Homo sapiens

<400> 246

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aagggcctga ttgagggcaa gtcagaccca tatgcacttg tgcgtttggg taccagaca 300
ttctgcagtc gtgtcattga tgaagaactc aaccacaggt ggggagagac ttatgagggtg 360
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aaagatgact ttctgggcag aatgaagctg gatgtagga aggtgttaca ggctagcgtt 480
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<210> 247
<211> 2148
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1259)
<223> n equals a,t,g, or c

<400> 247
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cgtggcgcca gcggaggcag gttgmtgtgt ttgtgcttcc ttctacagcc aatatgaaaa 180
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agaaggaaact agaaaagaaa agaaaacttg aaactaatcc tgatattaag ccatcaaatg 480
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aaaaagaaga tacctattaa aaaaaaaaaa aaaaaaaaaa aaaaaaaa 2148

<210> 248
<211> 2225
<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (14)

<223> n equals a,t,g, or c

<400> 248

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tatggtttgt cgtcagtcct ttccatgcgt ccatacctct ggtggkaaga agtacatcac 180
tcaggggcag ctgcttcagt ttgtgctgac aatcatccag accagctgcg gggtcactctg 240
gccgtgcaca ttccctcttg gttggttgta tttccagatt ggatacatga ttccctgat 300
tgctctcttc acaaaactct acattcagac ctacaacaag aaaggggcct cccgaaggaa 360
agaccacctg aaggaccacc agaatgggtc catggctgct gtgaatggac acaccaacag 420
cttttcaccc ctggaaaaca atgtgaagcc aaggaagctg cggaaggatt gaagtcaaag 480
aattgaaacc ctccaaacca cgtcatctga ttgtaagcac aatatgagtt gtgcccacat 540
gctcgttaac agctgctgta actagctctg cctacaatag tgtgattcat gtaggacttc 600
tttcatcaat tcaaaacccc tagaaaacgt atacagatta tataagtagg gataagattt 660
ctaacatttc tgggctctct gacccctgcg ctagactgtg gaaagggagt attattatag 720
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aatttaaaaa cactgtaatc caaacctttt tttttaactg tagatcatgc atgtgattgt 840
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cagagtcccg tagatgagca atggggaact ggttgccagg gtctaaattt ggattgattt 1440
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cattcaatag tgtgctgtca aagtgtgctt agctcacctg gatataccta cattgttaaa 2160
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aaaaa
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<210> 249

<211> 1204

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1197)

<223> n equals a,t,g, or c

<400> 249

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ascactcagg ctggctcctgg ggggtggggct gtaggggaaa gtgctaaagc cgctgagtga 120
agtaagaact ctgctagaga ggaaatggct gcttcatcat catcctcctc agctgggtggg 180
gtcagtgga gttctgtcac tggatctggg ttcagtgctc cagaccttgc cccaccacgg 240
aaagcccttt tcacctaccc caaaggagct ggagagatgt tagaagatgg ctctgagaga 300
ttcctctgcg aatctgtttt tagctatcaa gtggcatcca cgcttaaaca ggtgaaacat 360
gatcagcaag ttgctcggat ggaaaaacta gctgggttgg tagaagagct ggaggtgac 420
gagtgccggt ttaagcccat cgagcagctg ctgggattca cccctcttcc aggttgatac 480
tgctggatg gtcacctctg gtgcgcagca agtgcaaaagc cagtggggga ctttctcaca 540
gcttacatag ccattccagag atccacagct acgtcactga attgttaatg cacatttgta 600
cttggtttct ctgtatctat tcacaggcaa caaatactta tatgtgtgat ctttcaggga 660
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gaaccaggag gtttggggtt aagagatact caaaaatttt cacaagccaa gtagggcata 780
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taaaaaataa gcagtaagca aaatcctttt aaacacagaa atcctgagtt cttctcattg 1140
gtggactcaa gcaattctgt agcaataaaa tcctttgaaa gagctccaaa aaaaaanaaa 1200
aaaa 1204
```

<210> 250

<211> 1314

<212> DNA

<213> Homo sapiens

<400> 250

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ccttcgcttg ctccagagtc ttggaaaaac cactgaactg gctacttttt aattactatt 180
tgacaacctg ccttcagttc tcagttaata agcaccgaca tatgtttgta aaacaagttg 240
atatggatca tgtcatgaag gctaaatcca tcagagagtt tgataagcga ttcacttcag 300
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cacaaatttt aactgttgta tataaagcaa ataagccagc agatgggtga agaggtccag 720
aatgatatgc aaaaactact ttttagagaa acaaaaacac tttgtagcaa caaattaaat 780
atagtattag attgttactt acgtagattt tatttttact atgccttacc aagtacatcc 840
ttaaacaag tagtatgtac atgaattgc acttaaccaa aactattgtg taaaacaaat 900
tttaattcct cagggtttta atttaacta gtattttttt agattatttg ttttaggtga 960
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acaacgtgct aaatctttta tgtattctaa ctttaaaaga caagtgcac aaagttagac 1140
tgactttctat atgtgctctt ttactctgat aatattaaat taggactaac ttatgtttta 1200
taatgattat aattttacatg cttattttta aaatagtata tgtggacaca tatatatcat 1260
tatattaaaa taaattctac catttttaa tggaaaaaaa aaaaaaaaaa aaaa 1314
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<210> 251

<211> 1159

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1132)

<223> n equals a,t,g, or c

<400> 251

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ttttatatat ttagtagaga cgggggtttca ctgtgttagc caggatggtc tcgatctcca 120
ggatgggtct gatctccagg atggtctcga tctcctgacg tcgtgatcca ccgcctcgg 180
cctcccaaaa tgctgggatt acaggtgtga gccactgtgc ccggccaaaa gaacagaaat 240
tattttatcc tgaagtaagc tgtttatatt tgggattata ctgaacctat ttgtccaata 300
acctgagttt tcaaataaatt ttagttctat aagtactata attatataaa tattaatgaa 360
ttcagattag ctgaaaggaa aaaaagtaga agcctgacta cttggtgcta actactaaag 420
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gagtgttctg ccttgtgctg cctcccttca cckggagtgc cacaccctc tctctgccag 540
ttcagctctt cattcttcaa ggcctgacct tgtctgacct ttgtgcctct aaaccctgg 600
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ctgttcagtg tggctctgcc caccctgctg gacmaagact gactgaaatg tnaaataata 1140
cagaccatct caactcaga 1159
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<210> 252

<211> 2488

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (7)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (64)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2334)

<223> n equals a,t,g, or c

<400> 252

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gaacactttt tgatcaggtc cttgaattcc tttgtagtcc tgacgatgac tcccgaact 180
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<210> 253
<211> 1554
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (6)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (81)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1496)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1523)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1535)
<223> n equals a,t,g, or c

<400> 253
actggnaatc cactactatt tggaaagctg gtccgcctgc aggtaccggt ccggaattcc 60
cgggctcgacc cacgcgtccg nggacgcgtg gggtctggtt ttgctctagt gtttgggttt 120
cttcgcggct gctcaagatg aaccgactct tcgggaaagc gaaacccaag gctccgcgc 180
ccagcctgac tgactgcatt ggcacggtgg acagtagagc agaatccatt gacaagaaga 240
tttctcgatt ggatgctgag ctagtgaagt ataaggatca gatcaagaag atgagagagg 300
gtcctgc aaa gaatatggtc aagcagaaaag ccttgcgagt tttaaagcaa aagaggatgt 360
atgagcagca gcgggacaat cttgccaac agtcattcaa catggaacaa gccaattata 420
ccatccagtc tttgaaggac accaagacca cggttgatgc tatgaaactg ggagtaaagg 480
aatgaagaa ggcatacaag caagtgaaga tcgaccagat tgaggattta caagaccagc 540
tagaggatat gatggaagat gcaaatgaaa tccaagaagc actgagtcgc agttatggca 600
cccagaact ggatgaagat gatttagaag cagagttgga tgcactaggt gatgagcttc 660
tggtgatga agacagttct tatttgatg aggcagcatc tgcacctgca attccagaag 720
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taaaactaag gaaatggaat cttaaaagtc tatgacagtg taactctaca gtctcaaaat 1140

gacctgataa attgataaga caaagatgag attattgggg ctgttcatat tatgattcag 1200
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aggatccccc gagggggggc cangcttacg cgtgncatgc gacgtccaaa gccc 1554

<210> 254

<211> 1506

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (43)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1492)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1501)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1506)

<223> n equals a,t,g, or c

<400> 254

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gcagctgcgg caagtgcctg cggcggtctg tcgcgcaagt cagctggcgt gggaactacc 120
ctttgtagct gagaacggct tgtttattgc taaaaagact ctattgacat tggtagcttc 180
agcggcagca gcttcttacg gtataaagct gttgcttcct gaagaggcta caagcatcct 240
tccctaggac tgctgtaagc tttgagcctc tagcaggaga catgcctcgg ggacgaaaga 300
gtcggcgccg ccgtaatgcg agagccgcag aagagaaccg caacaatcgc aaaatccagg 360
cctcagaggc ctccgagacc cctatggccg cctctgtggt agcgagcacc cccgaagacg 420
acctgagcgg ccccgaggaa gacccgagca ctccagagga ggcctctacc acccctgaag 480
aagcctcgag cactgcccga gcacaaaagc cttcagtgcc ccggagcaat tttcagggca 540
ccaagaaaag tctcctgatg tctatattag cgctcatctt catcatgggc aacagcgcca 600
aggaagctct ggtctggaaa gtgctgggga agtttagaat gcagcctgga cgtcagcaca 660
gcatcttttg agatccgaag aagatcgctc cagaagagtt tgtgcgcaga gggtaacctga 720
tttataaacc ggtgccccgt agcagtcagg tggagtatga gttcttctg gggccccgag 780
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ctatcctcaa ttcagggtgct aggggttatt ccgcccctta agtagatctg aggcagacc 960
ttgggggtgt aaaagagagt cacagggtacc ccaaggagta gatgccaggg tcctaagttg 1020


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aaaatgatgt cgattggggg cgggggacac tgtatttgat atttgtgac agtgatcatt 1080
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tttgtgtctg ctgttggtgtg aagattgaca tttaccatga ttttcttag ttactgcaga 1440
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ncccg      1506

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```

<210> 255
<211> 654
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc feature
<222> (8)
<223> n equals a,t,g, or c

```

```

<220>
<221> misc feature
<222> (632)
<223> n equals a,t,g, or c

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<400> 255
actcacnta ttggaaaagc tggtagcct gcaggtcccg gtccggaatt cccgggtcga 60
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cgtctgccat cggcgccatc ctgcaatcta agccacaatg gtgcgcgatga atgtcctggc 180
agatgctctc aagagtatca acaatgccga aaagagaggc aaacgccagg tgcttattag 240
gccgtgctcc aaagtcacgc tccggtttct cactgtgatg atgaagcatg gttacattgg 300
cgaatttgaa atcattgatg accacagagc tgggaaaatt gttgtgaacc tcacaggcag 360
gctaaacaag tgtgggggtga tcagccccag atttgacgtg caactcaaag acctggaaaa 420
atggcagaat aatctgcttc catcccgcca gtttggtttc attgtactga caacctcagc 480
tggcatcatg gaccatgaag aagcaagacg aaaacacaca ggagggaaaa tcctgggatt 540
ctttttctag ggatgtaata catatattta caaataaaat gcctcatgga caaaaaaaaa 600
aaaaaaaaaa aaaaaagggs gsggtctag angtccaag cttacgtacg cgtg      654

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<210> 256
<211> 1992
<212> DNA
<213> Homo sapiens

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<220>
<221> misc feature
<222> (558)
<223> n equals a,t,g, or c

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<400> 256
gctcgccata cacctgcgca acgcatgac cccccgcaag aaggaaacat accagtctgt 60
gtacaactgg cagtatgtgc actgcctctt cctgtggtgc cgggtcctga gcactgcggg 120

```

```

ccccagcgaa scctccagcc cttggtctac ccccttgccc aagtcacatc tggctgtatc 180
aagctcatcc ccactgccc cttctacccg ctgcgaatgc actgcatccg tgccctgacg 240
ctgtctctcg ggagctcggg ggccctcatc ccggtgctgc ctttcatcct ggagatgttc 300
cagcaggtcg acttcaacag gaagccaggg cgcagtagct ccaagcccat caacttctcc 360
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gagcagctgt acgacotcac cctggagtac ctgcacagcc aggcacactg catcggcttc 480
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caccggggag gatattcggc agcccgggca gtcgcagatc ggaggatgca cctgcaggat 1920
cccttgagc ataagcgtct tcagactttt cccttccgag cggaggaggc ggcccgcgag 1980
ccccaagcgc tg

```

<210> 257

<211> 2273

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (2271)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2273)

<223> n equals a,t,g, or c

<400> 257

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ggcacgagct ggcggggaag gagaggtcag gcgctccggg ctgccccgt aggtcggggc 60
cgcgcgctcc cccaccctaa gtcccacctc cggccgggca tgggtacctg ggcgggcctg 120

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gctcggcctg ggcccaactca ctggtccaga agcagctgta ggtgcccacc aagcccatga 180
cgacgctgct ggccagggtc cagccctatt caggcaggag ctgctcttct ggggtatcgc 240
gatccactta aggatgaggc agacttggtg acaagctggt ctgagcagcg cttccagagc 300
cagaactgag cccagtgaga gcgcaccctg gggcagcctg gattcctggg gtgtcccccg 360
cagccacaca cagccatgca ctacccaact gcactcctct tcctcatcct ggccaatggg 420
gcccaggcct ttcgcatctg cgccctcaat gcccagcggc tgacactggc caaggtggcc 480
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ctgtgtgaac ccagggtgcc cggaaagggg ctgcaggaca cagcaaaatg ccagcagcrt 2040
gccggacccc tcccttccat cctcctctcc aaagaasaga ggtcaggaaa aacactggct 2100
gggacgctag aagggtcatg tgttaactat aatcacattt atggtttgga accatcacc 2160
caaggtaaaa aaaaaataaa aggtattccc aggtatgttt ggcaaaataa aataaaggta 2220
attaaaaacc taaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaattttgcn ncn 2273

<210> 258

<211> 1504

<212> DNA

<213> Homo sapiens

<400> 258

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tattcaggga tttttttaaa aagtcaatca gaaaagggat actggagctt cttcatgtat 180
gtaacagcat attaaactgg agacagtgat gaatcagcta caaaggtaat attgtattaa 240
aatcatgttt aagatagctg cttttatgtg ttttttata tgcatgcttt tgtaaaaaca 300
tgctgggtga tgaaagatta gttttagaga gaaaatgttc atctgtgcag aggatgcatt 360
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ctattaatag aaccttttga gatgaattaa tgtaagaata ttttttaaat aggcttactg 480

tcaaattgca actttttttt tagatacaga gtggaaaaca gtgctaagtc atttggcacc 540
tccttacaaa tatttttcat ggtcacattt attaaatggt actacatttc tgaatttttg 600
aaaaatgtat ttatcatta aatggcatta ttttaaaggg tgaaaaactg acacagtcaa 660
ttcagaaaat ggactgaagt ctgaataagg tcattgcatt taaaaagcat ataactgtac 720
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aaaa 1504

<210> 259

<211> 1792

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (107)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (487)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1306)

<223> n equals a,t,g, or c

<400> 259

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tgttccgaat aaaggccatc aggctgggag agaagctcct gccggcnttc aacaccccca 120
cggaatccc aaagggcgtg gtgagcttca aaagtgggaa ctggggcttg gccacagccg 180
gcagcagcag catcttggcg gagtttggat ccctgcactt ggaattctta cacctcactg 240
aactctctgg caaccaggtc ttcgctgaaa aggtcaggaa catccgcaag gtcctcagga 300
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tgcaacacca tgtctcagtt ggagactcg gggacagttt ttatgaatat ttgatcaaat 420
cctggttgat gtcgggcaag acagatatgg aggcataaaa tatgtactac gaagccttgg 480
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tggcgagggg ggattctgga ccacaagatg gggcacctgg cctgtttctc cgggggcatg 600
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acactgacc ttagttcaac tttgtgtcat ttacctata atttgaggag gggtttccct 1680
ttgggcctca gtgttacaaa ttactagtgc tattttcatt attattgtaa tggaaaaatc 1740
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<210> 260

<211> 2048

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (66)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (67)

<223> n equals a,t,g, or c

<400> 260

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gtcccgtcca gaaacgagct cgaagtgggc ccagccccag actgcccccc tgcctgttgc 300
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<210> 261

<211> 1282

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1244)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1261)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1265)

<223> n equals a,t,g, or c

<400> 261

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tagtgccagc tacgggtccg ggctgggggt ccctcctccg tttctgtatc cccacgagat 120
cctatagcaa tggaactcag cgatgcaaat ctgcaaacac taacagaata tttaaagaaa 180
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gaagatgaac caaacaaaat ttgtgaagcc gatcgagtgg ccattaaagc caacatagtg 420
cacttgatgc ttagcagccc agagcaaatt cagaagcagt taagtgatgc aattagcatt 480
attggcagag aagattttcc acagaaatgg cctgacttgc tgacagaaat ggtgaatcgc 540

```

```

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1282

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<210> 262

<211> 599

<212> DNA

<213> Homo sapiens

<400> 262

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ggcacgagcc ccggcagagg cggargcgga gtcggcctga gaggtctctc gtcgctgcag 60
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ggggccggcc ctgggcctgc tgcaggcgcg gcgctgcgg accagagctt cctgtggaac 180
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tacatcacgg actggcagaa cgtcttccgc acgtacgacc gggacaactc cgggatgatc 420
gataagaacg agctgaagca ggccctctma gtttcggcta ccggctctct kaccagttcc 480
acgacatcct cattcgaaag kttgacaggg argggacggg gcaratcgsc ttcgacgast 540
taatccaagg ctggcatggc ctgcagaggt ttacggatat attcaagggt ttcggcacg 599

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<210> 263

<211> 1261

<212> DNA

<213> Homo sapiens

<400> 263

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ggcacgaggt tgttcggagc gggcgagcgg agttagcagg gctttactgc agagcgcgcc 60
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cagccatagc tacgtgcgtt cgctacgagg attgagcgtc tccaccaggt aagtgggcaa 180
gaggcggcag gaagtgggta cgcaggggcg caaggcgcac agcctctaga cgactcgctt 240
tccctccggc caacctctga agccgcgtcc tactttgaca gctgcagggc cgcggcctgg 300
tcttctgtgc ttcaccatct acataatgaa tcccagtatg aagcagaaac aagaagaaat 360
caaagagaat ataaagaata gttctgtccc aagaagaact ctgaagatga ttcagccttc 420
tgcatctgga tctcttgttg gaagagaaaa tgagctgtcc gcaggcttgt ccaaaggaa 480
acatcggaat gccacttaa catctacaac ttccagccct ggggttattg tcccagaatc 540
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aatccatcc tctcagtatt ggaaggaagt ggcagaaaaa cggagaaagg cgctgtatga 660
agcacttaag gaaaatgaga aactcataa agaaattgaa caaaaggaca atgaaattgc 720
ccgcctgaaa aaggagaata aagaactggc agaagtagca gaacatgtac agtatatggc 780
agagctaata gagagactga atggtgaacc tctggataat tttgaatcac tgataatca 840

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aggattttct cagttgtcag ccatgactta tgtttattac taaataaact tcaaaactcct 1200
gttgaacatt gtgtataact tagaataatg aaatataagg agtatgtgta gaaaaaaaaa 1260
a 1261

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<210> 264

<211> 1020

<212> DNA

<213> Homo sapiens

<400> 264

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tattccttcc tctttatctc acaatttttg tctccactaa gcaagaagta aactaacact 180
tcgtcactct aaagaaataa cttatgtaa actcttagta accctgtttg tcttcaaatg 240
agtaaataga ccaaagtggg gggacaattt tctagtcttg tagagggaaa aacatctgag 300
tcaacatttt gaaatgcaga gggatttggg acatgacgac atggaaaagg gcacttttaa 360
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gcataactgt attttttgtt ttagggcctt attgatgttt tgccgttcca atgtatgcat 720
ttttttactc aataaacttg tcttaatttt agaactgtct gatgatctcg tactggaaag 780
aactactcaa agacggcagt gtaaaagcaa gtcttaggaa agtcccatth tatttggtgc 840
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tacacttgaa aaagctcata cctgtctcag ttctgaaagt cccttaagga ttgcttgctg 1020

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<210> 265

<211> 571

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (557)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (565)

<223> n equals a,t,g, or c

<400> 265

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ctttacggca sgmgtccgcy tcgctagcta gtcgttctga agcggcggcc agagaagagt 60
caagggcacg agcatcgggc catgcctttc ttggacatcc agaaaaggtt cggccttaac 120

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atagatcgat ggttgacaat ccagagtggg gaacagccct acaagatggc tggtcgatgc 180
catgcttttg aaaaagaatg gatagaatgt gcacatggaa tcggttatac tcgggcagag 240
aaagagtgc aatagaata tgatgatttc gtagagtgtt tgcttcggca gaaaacgatg 300
agacgtgcag gtaccatcag gaagcagcgg gataagctga taaaggaagg aaagtacacc 360
cctccacctc accacattgg caagggggag cctcggccct gaacagagca gctgctgatg 420
tctggaggct gattttcctg ttctctgttc tccactggaa aggttggtta cgacaaacct 480
ccttgtcaaa gtgtgtaaaa ataaaggatt gctccatcct aaaaaaaaaa aaaaaaaaaa 540
aaaatttggg ggggggnccc cgtancccat t 571

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<210> 266

<211> 1350

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (204)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1313)

<223> n equals a,t,g, or c

<400> 266

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ctgccgagct cagaggagac ccagaccccc tcccgcagcc agagggttg agcctgctca 180
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ggaggccatt gacacctact gcgagcagaa ggagtggggc atgaacgtgg gcgacaagaa 480
aggcaagatc gtggacgccg tgattcagga gcaccagccc tccgtgctgc tggagctggg 540
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<210> 267

<211> 1319

<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (7)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (61)
<223> n equals a,t,g, or c

<400> 267
gcaaganaga aattaaccct cactaaaggg aacaaaagct ggagctccac cgcggtggcg 60
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cactggctcc tctgcacaag aggmggcttc cggagtagcc ctcggtgaag ccccagacca 240
cagctatgag tcccttcgtg tgacgtctgc gcagaaacat gttctgcatg tccagctcaa 300
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caacaagatt tcgagagacg ctgactgtcg ggcggtggtg atctctggtg caggaaaaat 420
gttcaactgca ggtattgacc tgatggacat ggccttcggac atcctgcagc ccaaaggaga 480
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<210> 268
<211> 3694
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (746)
<223> n equals a,t,g, or c

<400> 268
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gaggtgtggc ggagcctgtg cggccgcagc ctggcagaag aggtctgctg cagggacatc 120
ctgtgcaacc tgcccagcta caaggccaag atacgtgctt ttcaacatgc cttcagcact 180

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aatgactgct ccaggaatgt ctacattaag aagaatggct ttactttaca tcgaaacccc 240
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ggaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaa 3694

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<210> 269

<211> 1242

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (4)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (31)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (46)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (460)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1233)

<223> n equals a,t,g, or c

<400> 269

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<210> 270

<211> 2057

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (22)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2053)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2054)

<223> n equals a,t,g, or c

<400> 270

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gagcgggaag aaaggcagaa tattgtcctg tggagacagc cgctcattac cttgcagtat 240
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<210> 271

<211> 960

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (4)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (31)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (951)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (956)

<223> n equals a,t,g, or c

<400> 271

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caatgtcacc tccgtcctgt ttaggaaaaa gaagtgtgac tactggatca ggacttttgt 480
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<210> 272

<211> 1167

<212> DNA

<213> Homo sapiens

<400> 272

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gtatcagagc catcagaacc gccaccatga cgggtgggcaa gagcagcaag atgctgcagc 180
atattgatta caggatgagg tgcacctgc aggacggccg gatcttcatt ggcaccttca 240
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<210> 273

<211> 2771

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (16)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (27)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (42)
<223> n equals a,t,g, or c

<220>
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<222> (64)
<223> n equals a,t,g, or c

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<221> misc feature
<222> (2715)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (2717)
<223> n equals a,t,g, or c

<400> 273
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<210> 274

<211> 1889

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (15)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (57)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (87)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (113)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1676)

<223> n equals a,t,g, or c

<400> 274

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<210> 275

<211> 604

<212> DNA

<213> Homo sapiens

<400> 275

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<210> 276

<211> 1381

<212> DNA
<213> Homo sapiens

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<220>
<221> misc feature
<222> (1349)
<223> n equals a,t,g, or c

<220>
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<220>
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<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1359)
<223> n equals a,t,g, or c

<400> 276
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c 1381

<210> 277

<211> 1149

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (680)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1088)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1098)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1140)

<223> n equals a,t,g, or c

<400> 277

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<210> 278

<211> 811

<212> DNA

<213> Homo sapiens

<400> 278

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<210> 279

<211> 1260

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1249)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1252)

<223> n equals a,t,g, or c

<400> 279

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cgggtgctgg accgggctgc ccggcagcgt cgcataaacc ggcagctgga ggcctggag 600
aatgacaact tccaggatga cccccacgcg ggactccctc agctcggcaa gagactgcct 660
cagtttgatg acgatgcgga cactggaaag aaaaagaaga aaaccgagg tgatcatttt 720
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aaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaant tngggggggg 1260
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<210> 280

<211> 1668

<212> DNA

<213> Homo sapiens

<400> 280

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ttgattgtsa cagcaagatc aaataacaaa acgaagcata ttgaagaaga gaacttgatt 180
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agtgcctttg ttagatggaa aaaaaaaaaa aaaaaaaaaa aaaaaaaa 1668
```

<210> 281

<211> 2328

<212> DNA

<213> Homo sapiens

<400> 281

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gaagcatata aactccgtgc agccagatta gtagaaattg ctgcaaaaaa ccttcaaaaa 180
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```

gaagtgattc acagaaaaag caaggaggta gcttggaaacc taacttctgt tgaccttggt 240
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<210> 282

<211> 956

<212> DNA

<213> Homo sapiens

<400> 282

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<210> 283

<211> 1402

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (26)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (88)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (97)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (131)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1344)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1355)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1394)

<223> n equals a,t,g, or c

<400> 283

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atthcaatgg tgggggttaat atagcatgtt atcctgtcta tcttttaaag atttctgtat 240
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1402

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<210> 284

<211> 675

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (20)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (520)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (560)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (618)

<223> n equals a,t,g, or c

<400> 284

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<210> 285

<211> 1339

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1330)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1331)

<223> n equals a,t,g, or c

<400> 285

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aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 1320
aaaaaaaaaa naaaaaaaaa 1339
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<210> 286
<211> 1398
<212> DNA
<213> Homo sapiens

<400> 286
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ggcaagtggg caccacaaag gcagtgatca ctttgagccc tccatgggtc agcgtgttcc 180
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<210> 288

<211> 3094

<212> DNA

<213> Homo sapiens

<400> 288

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<210> 289

<211> 1983

<212> DNA

<213> Homo sapiens

<400> 289

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<210> 290

<211> 1298

<212> DNA

<213> Homo sapiens

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<222> (1224)

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<220>

<221> misc feature

<222> (1231)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1242)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1262)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1285)

<223> n equals a,t,g, or c

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<210> 291
<211> 2459
<212> DNA
<213> Homo sapiens

<220>
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<222> (3)
<223> n equals a,t,g, or c

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<222> (4)
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<221> misc feature
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<400> 291
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<210> 292
<211> 570
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (567)
<223> n equals a,t,g, or c

<400> 292
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<210> 293
<211> 2468
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (2076)
<223> n equals a,t,g, or c

<400> 293
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taaaaaaa 2468

<210> 294

<211> 1080

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1038)

<223> n equals a,t,g, or c

<400> 294

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<210> 295

<211> 2695

<212> DNA

<213> Homo sapiens

<400> 295

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tccatatata cagaaattag acaataata agtctttagt tcaacttaag catatctcaa 180
atgacttctc taaattttaa gttgatcatg ataggatcat aaaagacaga aaagacttaa 240
gtaatcttgt aatgacaatt atttccattt ttgctgaact aaaaatattt aacttcataa 300
atatgttact acagcttcca gatttaaaga aaaaaagtt cccctactct caattaaaag 360
ttagaaccct ccacttttaa aattatacaa atatttcttt ttacattac acagaagcct 420
tctgtaccat ttacgaatt tctgtcttca taatataagt gaaaatactg tcatttcaat 480
tttctgcttt aaattgtttt taataagcat yccaaagtga tacagactta agcttttaaat 540
caatcagtc ttcagttgat agacaaagtt agcgtatgct tatgctagga aacttggtga 600
cagtaacctg tgcgacttta tgcagaagac aaatgctagt aattattatg cacagaggaa 660
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<210> 296

<211> 1394

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1238)

<223> n equals a,t,g, or c

<400> 296

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gagagcattt tccgtgaagt ttgaggtcca ggctccacgc tggggcaacc cccgtgcgct 480
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acacaaaaaa aaaa 1394

<210> 297

<211> 998

<212> DNA

<213> Homo sapiens

<400> 297

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acattccttg tgacgactgc gcatgctcgg aaaggggacg caatcragat cccaaacgag 180

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gtacagacca aaccgcagtc cacgttacgg atcggttac tccgcggagt tggcctcatt 240
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aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaa 998

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<210> 298

<211> 1666

<212> DNA

<213> Homo sapiens

<400> 298

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gctttkttga gagcgacatg tttgtggaac acagatgtgc agattttgga atggctgctg 180
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<210> 299

<211> 2444
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (4)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (402)
<223> n equals a,t,g, or c

<400> 299
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<210> 300

<211> 1026

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1026)

<223> n equals a,t,g, or c

<400> 300

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gttggtaaaa catgtctcct gatatcctac acaacaaaca aatttccatc ggaatatgta 240
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<210> 301

<211> 830

<212> DNA

<213> Homo sapiens

<400> 301

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<210> 302

<211> 3300

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1158)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (3232)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (3280)

<223> n equals a,t,g, or c

<400> 302

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<211> 475

<212> DNA

<213> Homo sapiens

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<220>

<221> misc feature

<222> (451)

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<220>

<221> misc feature

<222> (454)

<223> n equals a,t,g, or c

<220>
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<222> (470)
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<210> 304
<211> 2902
<212> DNA
<213> Homo sapiens

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<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (2891)
<223> n equals a,t,g, or c

<400> 304
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<210> 305

<211> 1553

<212> DNA

<213> Homo sapiens

<400> 305

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<210> 306

<211> 1987

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (731)

<223> n equals a,t,g, or c

<400> 306

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<210> 307

<211> 785

<212> DNA

<213> Homo sapiens

<400> 307

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aaaaa 785

<210> 308

<211> 2178

<212> DNA

<213> Homo sapiens

<400> 308

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gataaaggat acttaagccc aaactatata taaacccaaa tctcacttgg ctggaacat 2100
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<210> 309

<211> 875

<212> DNA

<213> Homo sapiens

<400> 309

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ccttctctcc tccaaatcag tctcttccct tctccactag ataactgtaa aaccttttcc 360
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gtttatcact gttgggtgga gtcacgtccc ttcctccac cgaagtcac aaccagatag 480
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<210> 310

<211> 756

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (613)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (638)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (684)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (756)
 <223> n equals a,t,g, or c

<400> 310
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 ggaagctccg tagtcaccga cgagaccaga agtggcatga taaacagtat aagaaagctc 180
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<210> 311
 <211> 851
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (834)
 <223> n equals a,t,g, or c

<400> 311
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 tcagaaagac ttgcatagcc atgtggtaaa tgagcatgca tgtaaattaa tagagttaag 180
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 tgtaaacagg catgttgcta ttgaacatac aaaaattttt cctcatgttt gtgatgactg 360
 tgggaaaggc ttttcaagta tgctagaata ttgcaagcat ttaaattcac atttatctga 420

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gtttggaaat gaaagggaaat taataagtca ccttccagtc catgagacaa cttgattatt 600
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ctcactaatc c 851
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<210> 312

<211> 1335

<212> DNA

<213> Homo sapiens

<400> 312

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aaaaaaaaaa aaaaa 1335
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<210> 313

<211> 516

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (505)

<223> n equals a,t,g, or c

<400> 313

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```



```

ctgagggagg cgcgagggcg cggagttcca ggtcgagcag ttaggccgcg agcgactgcg 120
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<210> 314

<211> 1833

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (625)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1761)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1766)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1792)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1806)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1827)

<223> n equals a,t,g, or c

<400> 314

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<210> 315

<211> 1354

<212> DNA

<213> Homo sapiens

<400> 315

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ctgcttctaa gatgccagca tatactgaag tcttttctgt caccaaaatt gtacctctaa 1080
gtacatatgt agatatgtt ttctgtaaat aacctatttt tttctctatt ctctgcaatt 1140

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aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaa 1354

<210> 316

<211> 2421

<212> DNA

<213> Homo sapiens

<400> 316

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2421

<210> 317

<211> 1092

<212> DNA

<213> Homo sapiens

<400> 317

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<210> 318

<211> 1380

<212> DNA

<213> Homo sapiens

<400> 318

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gcattagaac cctttccggt ataataccca tttatatagt cgagacagtt gtcaaaagaa 660
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<210> 319

<211> 2612

<212> DNA

<213> Homo sapiens

<400> 319

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<210> 320

<211> 943

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (52)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (54)

<223> n equals a,t,g, or c

<400> 320

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<210> 321

<211> 2959

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (2948)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2956)

<223> n equals a,t,g, or c

<400> 321

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<210> 322

<211> 802

<212> DNA

<213> Homo sapiens

<400> 322

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<210> 323

<211> 1724

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1590)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1650)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1701)

<223> n equals a,t,g, or c

<400> 323

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<210> 324

<211> 2261

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1098)

<223> n equals a,t,g, or c

<400> 324

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<210> 325

<211> 1213

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1213)

<223> n equals a,t,g, or c

<400> 325

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actccttggc gcctgcctga tcctccaaat caccacagga ctattcctag ccatgcacta 180
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<210> 326

<211> 2764

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (372)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2128)

<223> n equals a,t,g, or c

<400> 326

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<211> 1764

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1398)

<223> n equals a,t,g, or c

<220>

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<222> (1758)

<223> n equals a,t,g, or c

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<222> (1759)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1762)

<223> n equals a,t,g, or c

<400> 327

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<210> 328

<211> 571

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (7)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (535)

<223> n equals a,t,g, or c

<400> 328

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gccgacaccc tgacggccac gaacttccga gtggtaattt gccatcttcc atgtatgaat 300
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ggcaaggcat tggggacgca tgtcatccat tcaacacata ccttgcctct gaccgtgact 480
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cctcctgaag cttccgtcca gatacatcag g

571

<210> 329

<211> 473

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (37)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (449)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (467)

<223> n equals a,t,g, or c

<400> 329

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gtaaaatata ttgcataatt gatttaaggt ttgttatgaa cacactaatc tgatatttta 300
tatttaaacc attttcaatk ctgtaagact cagtaagagc tatttaatta tactgwaaca 360
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<210> 330

<211> 1335

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (865)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1004)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1156)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1301)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1328)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1333)
<223> n equals a,t,g, or c

<400> 330
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<210> 331
<211> 1046
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (982)
<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (997)

<223> n equals a,t,g, or c

<400> 331

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<210> 332

<211> 1311

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1280)

<223> n equals a,t,g, or c

<400> 332

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<210> 333

<211> 1444

<212> DNA

<213> Homo sapiens

<400> 333

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<210> 334

<211> 1030

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (59)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (989)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1006)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1023)

<223> n equals a,t,g, or c

<400> 334

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<210> 335

<211> 2127

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (72)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2098)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2114)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2117)

<223> n equals a,t,g, or c

<400> 335

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ggtggtgggg ggcaggggac agaggccatg aaggagcaag ttttgtattt gtgacctcag 2040
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<210> 336

<211> 847

<212> DNA

<213> Homo sapiens

<220>
<221> misc feature
<222> (291)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (334)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (829)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (847)
<223> n equals a,t,g, or c

<400> 336
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tccccactcc ttctctcacg ccaagctctg actttccgtg ctccacgac ccgcggctcc 180
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caggaccgga tacttatccg ctttttcccc ttggagtcct ggcagattgg caagataggg 600
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cttcttccag agagatctct tggcagagtg agggcctgga gataaccagc ttgggattat 720
ccgcgatgca acattcctgt gatcacataa tctcttctt catcctcata tgaaataaat 780
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ttggcnn 847

<210> 337
<211> 702
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (21)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (150)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (669)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (679)
<223> n equals a,t,g, or c

<400> 337
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aaccgcgaaa gagtaagacg gcagcggcan cctctgaaaa gaatcggggc ccaagaaaag 180
gcggtcgtgt tatcgctccc argaaggcgc gcgtcgtgca gcagcaaaaag ctcaagaaga 240
acctagaagt cggaatccgg aagaagatcg aacatgacgt ggtgatgaaa gccagcagca 300
gcctgcccga gaagctggca ctgctgaagg ccccagccaa gaagaaaggg gcagctgccg 360
ccacctcctc caagacacct tcctgaggac gctggcccca gtgcaggcca acatcccacc 420
ccctacctcc atatgggacc ttgcaagtca tcccacaggc tgcaactgtca ggaagaggac 480
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ccagcaatga ccaggaagat acagtcacta acttcactctg tccccgtgcc ccttcccagg 600
tctgtcctcc acaggtttaa cccagaacaa taaacctggc ttgtgtcaama aaaaaaaaaa 660
agggccggnc gttttagang atccagctta cgtaccgtgc tt 702

<210> 338
<211> 875
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (791)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (813)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (830)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (861)
<223> n equals a,t,g, or c

<400> 338

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taagatagca aaccagttcg ttttaagtaa gctaacttgt tcattagtat ctgtggctta 60
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cacacacaaa gataacagta cctagagaga gagtgtgtgt gagtgtgcgt gtctctgtgt 180
gtgcacgtgc acgctcatgg ccaaagtgc gcactctaca taaaggaggc aggagttoct 240
ataggctatt taatgtaaga gaaactatct ttctcctggt ccagctgtat cagatactcg 300
ttccgcaaca cagaaatgac tcagaatctc agacaaaatg tattatttgt tcaattttaa 360
ttttgctact acattcataa ctcttaaat gttaggctgt ttcatttaca tcaaagttaa 420
ctcacaaaag agaaggcagg aaacgttttg tgagtgccta ttctatgtca aacctgtgt 480
tggcaccata ttttacaagt ttttttcctc ttctcacagt gatcttgta gttagtact 540
tatattttta ttagaactca ttattctggg taccctccaa tgagaattag agaggttaaa 600
taccttttcc tagattocca cagcaggaag gtgggcatag ctgttttgc tgacaccaga 660
acctatctca ccactgtct ttacagtctt cctgaaggga cattttgagg tggggggggg 720
ccttcaaagc tcagaggact ggggttkgaa tgggtttaat ttttgcaagg gatccatgtc 780
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<210> 339

<211> 1448

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1427)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1432)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1440)

<223> n equals a,t,g, or c

<400> 339

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tctgttttcc atccccttca ggtccttcct cgggaggcgg cgaaggcggg ccaccctgcg 180
cgtgatcctt yatgcccggc ccctgcccct ccctccgggt ggaacttccc cctcaccgcc 240
agacttaagc tgaggatcgt tggatctctg gcggggtgca gaactgagcc caggccacag 300
taccctattc acgctctgtg cttgtgccaa gggggcaatg gcggcttcct gtgttctact 360
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ggtaaaagca gctgttaaagt atgcccttag cgtaggctac cgccacattg attgtgctgc 480
tatctacggc aatgagcctg agattgggga ggccctgaag gaggacgtg gaccaggcaa 540
ggcgggtgct cgggaggagc tgtttgtgac atccaagctg tggaacacca agcaccaccc 600
cgaggatgtg gagcctgccc tccggaagac tctggctgac ctccagctgg agtatctgga 660
cctgtacctg actgactggc cttatgcctt tgagcgggga gacaaccct tccccaagaa 720
tgctgatggg actatatgct acgactccac ccactacaag gagacttgga aggtctctga 780
ggcactggtg gctaaggggc tgggtcaggc gctgggcctg tccaacttca acagtccgca 840

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 cagcttcttg gcctcccttc cagctctgca gctaataagg tcctgccaca acggaaagag 1380
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 caagggaa 1448

<210> 340

<211> 843

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (812)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (822)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (829)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (838)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (841)

<223> n equals a,t,g, or c

<400> 340

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 gctgatctcc tgccctgatgt ttctgtctca gagccaaggc caagaggccc agacagagtt 180
 gccccaggcc cggatcagct gcccagaagg caccaatgcc tatcgctcct actgctacta 240
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 gggcaacctg gtgtctgtgc tcaccaggc cgaggggtgcc tttgtggcct cactgattaa 360
 ggagagtggc actgatgact tcaatgtctg gattggcctc catgacccca aaaagaaccg 420
 ccgctggcac tggagcagtg ggtccctggt ctctacaag tcctggggca ttggagcccc 480

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aagcagtgtt aatcctggct actgtgtgag cctgacctca agcacaggat tccagaaatg 540
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gaccatctct ccaactcaac tcaacctgga cactctcttc tctgctgagt ttgccttggt 720
aatcttcaat agttttacct accccagtct ttggaaccyt aaataataaa aataaacatg 780
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naa 843
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<210> 341

<211> 1293

<212> DNA

<213> Homo sapiens

<400> 341

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acggatatcc tctgttgggg gagaagcaac attttgtgat ttccaaaaa taaaccatgg 180
aattctatat gatgaagaaa aatataagcc attttcccag gttcctacag ggggaagtttt 240
ctattactcc tgtgaatata attttgtgtc tccttcaaaa tcatttttga ctgcataaac 300
atgcacagaa gaaggatggt caccaacacc aaagtgtctc agactgtgtt tctttccttt 360
tgtggaaaaat ggtcattctg aatcttcagg acaaacacat ctggaagggtg atactgtgca 420
aattatttgc aacacaggat acagacttca aaacaatgag aacaacattt catgtgtaga 480
acggggctgg tccaccctc ccaaatgcag gtccactgac acttcctgtg tgaatccgcc 540
cacagtacaa aatgctyata tastgtcgag acagatgagt aaatatccat ctggtgagag 600
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aacaggtgaa tcagytyaat ttgtgtgtaa acggggatat cgtctttcat cactttctca 1020
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tgaaaatgta attataagct gagaccggtg gctctcttct taaaagcacc atattaaatc 1260
ctggaaaact aaaaaaaaaa aaaaaaaact cgc 1293
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<210> 342

<211> 1273

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (6)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (483)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1247)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1262)
<223> n equals a,t,g, or c

<400> 342
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aggaggaaga aagggaggcc acaaaggccg ggagaggcag tatacaagcc ctgaggagat 120
cgacgcgcag ctgcaggctg agaagcagaa ggccagggaa gaagaggagc aaaaagaagg 180
tgagatggg gctgcagggtg accccaaaaa ggagaagaaa tctctagact cagatgagag 240
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gnggttttaa tta 1273

<210> 343
<211> 1793
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1251)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1267)
<223> n equals a,t,g, or c

<400> 343

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gactacagcg atgatgggtg ggtgaatttg aaccggcaag gcttcagcta ccagtgtccc 180
cagggggcagg tgatagtggc cgtgaggagc atcttcagca agaaggaagg ttctgacaga 240
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ctgcagagat ggcgctatct ttctcctcc tgtgatgtcc tgctcccaac catttgact 1680
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aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaa 1793

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<210> 344

<211> 1672

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (95)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1667)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1668)

<223> n equals a,t,g, or c

<400> 344
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aagtctaagc gccggaagtg gtgggcatto tgggtaacga gctatttact tcctgcgggg 180
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taaccgagag atggtatatg actgcactag ctcttccttt gatggaatca ttgcgatgat 420
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<211> 2109
<212> DNA
<213> Homo sapiens

<400> 345
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<210> 346

<211> 1714

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (21)

<223> n equals a,t,g, or c

<400> 346

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<210> 347

<211> 1672

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1667)

<223> n equals a,t,g, or c

<400> 347

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<210> 348
<211> 1483
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (19)
<223> n equals a,t,g, or c

<400> 348
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<210> 349
<211> 1842
<212> DNA
<213> Homo sapiens

<400> 349
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<210> 350

<211> 3008

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (9)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (59)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (65)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1307)

<223> n equals a,t,g, or c

<400> 350

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<211> 2756
<212> DNA
<213> Homo sapiens

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<222> (1597)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (2540)
<223> n equals a,t,g, or c

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<210> 352

<211> 1645

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (97)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1574)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1596)

<223> n equals a,t,g, or c

<400> 352

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<210> 353

<211> 1637

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (738)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (771)

<223> n equals a,t,g, or c

<400> 353

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<210> 354

<211> 1119

<212> DNA

<213> Homo sapiens

<400> 354

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ccctgcgggg agtcggcccc cgaccttgcc ggcttcaccc tcctaattgcc agcagtatct 180
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<210> 355

<211> 738

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (654)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (689)

<223> n equals a,t,g, or c

<400> 355

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gcctccgtcc gggccctgct gtttgamatc tccttcctca tgctgtgcca tgtggcccag 180
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acctatggtt caraggtgat tctgtccgag tcgcgcacag gagctgaggt gcccttcttc 240
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tgcttccgcc ccgactccac caaagtggag tccttggtgg ccctgctcaa caactcctcg 360
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ctggcagggc cactgtttag ygagaacacc ctgcagttct acaatgagag ggtngtgatc 660
atgaactcga tcctggggagc gcatgtgtnc cgacgtgctg cagcagacag ccacgcagga 720
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<210> 356

<211> 1966

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (56)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (788)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1753)

<223> n equals a,t,g, or c

<400> 356

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caaccagcca gctcccgcct gaatctgatg ctgtggaatg cttaaattac caacactata 600
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ttgggatgtt ggcctagtgc tgtgtgggaa gacttagtgg attttgtttg tttttagata 1920
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<210> 357

<211> 1562

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (16)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (18)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (260)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (262)

<223> n equals a,t,g, or c

<400> 357

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cg

<210> 358

<211> 1931

<212> DNA

<213> Homo sapiens

<400> 358

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